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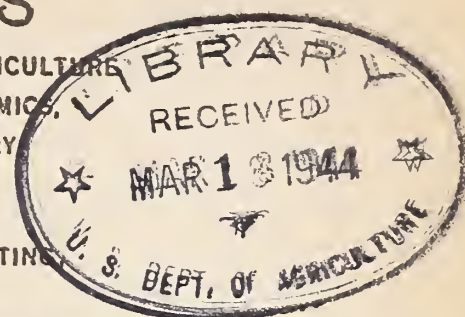


# COTTON LITERATURE

## SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING  
AGRICULTURAL MARKETING SERVICE, WASHINGTON, D. C.



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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

"Abbreviations Used in the Department of Agriculture for Titles of Publications" (Miscellaneous Publication No. 337) is the authority for abbreviations used in COTTON LITERATURE.



PRODUCTIONBotany

See Items nos. 2454, 2463.

Genetics and Plant Breeding

2239. Kasparyan, A. S. A colchicine-induced amphidiploid--upland x Egyptian cotton (*Gossypium Hirsutum* L. x *G. Barbadense* L.) Moscow. Akademiia Nauk. Comptes Rendus (Doklady) 26(2): 163-165. Jan. 20, 1940. (Published in Moskva, U. S. S. R.) 511 P444  
References, p. 165.
2240. [Killough, D. T.] Breeders' part in research for cotton is told. Seed men have done and are doing yeoman service to industry as whole. Cotton Trade Jour. 20(27): 7. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Extracts from an address on the subject of "recent developments in cotton breeding as related to yield and quality," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.
2241. Zhebrak, A. R. and Rzaev, M. M. Mass production of amphidiploids by colchicine treatment in cotton. Moscow. Akademiia Nauk. Comptes Rendus (Doklady) 26(2): 159-162. Jan. 20, 1940. (Published in Moskva, U. S. S. R.) 511 P444  
References, p. 162.  
"Colchicine appears to be a new efficient factor of the production of amphidiploids and polyploids in cotton. Treatment with the colchicine solution from 0.05 to 0.1% during a period from 28 to 72 hours made it possible to obtain amphidiploids in 6 interspecific hybrids in cotton. The value of the amphidiploids obtained consists in the fact that a number of cotton can now be included into the breeding program; these species could not be utilized before on a sufficiently large scale, owing to the fact that no amphidiploids were available."

See also Item no. 2548.

Agronomy

2242. L'agriculture du Congo Belge en 1938. (D'après les rapports provinciaux) Belgium. Ministère des Colonies. Direction générale de l'Agriculture. Bulletin Agricole du Congo Belge 30(4): 536-555. Dec. 1939. (Published at Place Royale, 7, Bruxelles, Belgium) 24 K83  
Agriculture in the Belgian Congo in 1938 (from provincial reports). Includes reports on the cotton situation in each province.

2243. American potash institute, inc. Bibliography of literature on potash as a plant nutrient reviewed July, 1939 to Sept., 1939. [Compiled by] Dorothy H. Jameson and Catherine M. Schmidt. 80, xvii pp., processed. Washington, D. C., 1940. 241 Am33B  
Cotton: p. 15-18.
2244. Anthony, J. L., Pitner, John, and Dorman, Clarence. Neutral versus acid fertilizer. Miss. Agr. Expt. Sta. Bul. 338, 15pp. State College, 1940.  
"On the basis of these results, 1 ton of neutralized fertilizer applied on 5 acres of sandy textured soil would produce an increase over acid fertilizer of 450 pounds seed cotton."
2245. Basmatzidi, Patroula. Expériences sur le recouvrement du sol au moyen de papier d'asphalte faites dans la station agronomique de Chalcidique en 1929-1930. Georgikon Deltion 2(4): 39-68. 1939. (Published in Athens, Greece) 21 G29  
Bibliography, p. 68.  
In Greek, French summary, pp. 64-67.  
Experiences on the recovery of the soil by means of asphalt papers, conducted at the agronomic station of Chalcidique in 1929-30. Cotton was one of the crops included in the experiment.
2246. A better cotton. Capper's Farmer May, 1940, p. 34. (Published at Topeka, Kans.) 6 M693  
Experiences with a new variety, Acala 111, are noted.
2247. Camarena, Raúl I. Informe sobre la labor de inspección realizada en los valles de Camaná y Mages, Sihuas, Vitor y Tambo del Dpto. de Arequipa. Compañía Administradora del Guano. Boletín 16(3): 85-102. Mar. 1940. (Published in Lima, Peru)  
Report on the inspection work in the valleys of Camaná and Mages, Sihuas, Vitor and Tambo of the Department of Arequipa. Includes notes on the use of fertilizer on cotton.
2248. Campos, Alvaro. Uma cultura algodoeira cauta, inteligente e racional. Ouro Branco 5(12): 25-26, 30. Apr. 1940. (Published at Rua Assembleia, 209, São Paulo, Brazil)  
Some cotton culture warnings, intelligent and reasonable.
2249. [Ceylon, Dept. of agriculture] Work in progress in the botanical division. Trop. Agr. [Ceylon] 93(2): 77-80. Aug. 1939. (Published in Peradeniya, Ceylon) 26 T751  
"Reference is made to a small but regular cotton growing industry which supplies the mills in Colombo. Its main area of operation is the Hambantota district, but recently it has spread to the dry areas of the northern part of the island. Last year it produced 355 bales. The variety grown is Cambodia; two African varieties have shown promise in trials." - Empire Cotton Growing Rev. 17(1): 10. June 1940.



2250. Cheng, K. S., Wang, Y. T., Chen, L. and Chang, S. C. Studies on the technic in field experiments with cotton. Kwangsi Agr. Expt. Sta. Bul. 7, 39pp. Liuchow, Kwangsi, China, 1936.  
C 107 K972

Literature cited, p. 19-20.

In Chinese and English.

"The writers favor six or more replications on plots of 1/10 mow for the cultural or varietal experiments where a 10 per cent difference in yield is to be tested for significance."

2251. Christidis, B. G. The viability of cotton seed as affected by its moisture-content. Empire Jour. Expt. Agr. 8(30): 148-158. Apr. 1940. (Published by Clarendon Press, Oxford, England)  
10 Em7

References, pp. 157-158.

2252. Collins, E. R. and Speer, F. R. Decomposition of dolomitic limestone in fertilizers. Assoc. Off. Agr. Chem. Jour. 23(2): 373-388. May 1940. (Published in Menasha, Wis.) 381 As7

References, p. 388.

Table and chart show magnesium content of the cotton crop following certain fertilizer treatments.

2253. Costa, A. S., and Santos Neto, J. A. O deslintamento das sementes de algodão pelo ácido sulfúrico em comparação com outros tratamentos. Revista de Agricultura [Piracicaba] 15(3-4): 120-132. Mar.-Apr. 1940. (Published at Caixa Postal 60, Piracicaba, E. de S. Paulo, Brasil) 9.2 R324

The delinting of cottonseed with sulphuric acid, compared with other treatments.

2254. Cotton: Reduction from full yield per acre from stated causes, 1939, with comparisons. U. S. Dept. Agr. Crops and Markets 17(6): 113. June 1940. (Published in Washington, D. C.)  
1Ag84Wcm

2255. Faria, Carlos V. A questão de variedades de algodão para o Nordeste. Ouro Branco 5(12): 15-17. Apr. 1940. (Published at Rua Assembleia, 209, São Paulo, Brazil)

The question of cotton varieties for the Northeast [of Brazil].

2256. Fielding, W. L. Science and Empire cotton production. Empire Cotton Growing Rev. 17(1): 15. June 1940. (Published at King's Buildings, Dean Stanley St., Millbank, London, S. W. 1, England)  
72.8 Em7

From Scientific Worker, Autumn, 1939.

"An article describing the activities of the Empire Cotton Growing Corporation's Station at Barberton, South Africa. The cotton-growing industry in the South African low veld was undoubtedly saved from extinction by the production of the jassid-resistant U.4 cotton at Barberton."

2257. Gore, U. R. Results of cotton variety tests 1936-1939. Com. Fert. 60(6): 9-10, 12-22. June 1940. (Published by Walter W. Brown Publishing Co., 223 Courtland St., N. E., Atlanta, Ga.)  
57.8 C73

Tests conducted by the Georgia Agricultural Experiment Station are reported.

2258. La Junta nacional del algodón adquirirá semilla por valor de \$500.000. Argentine Republic, Junta Nacional del Algodón, Boletín Mensual no. 60, pp. 147-148. April 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3

The Junta Nacional del Algodón has acquired seed valued at \$500,000 (for planting).

2259. Kuykendall, Roy. Summer legumes plowed under increase yields of cotton, corn in Delta branch station tests. Miss. Farm Res. 3(7): 7. July 1940. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)

2260. Lochrie, J. V. Cotton growing in Swaziland. Swaziland Agr. Rev. and Notes (no. 1), pp. 11-20. June 30, 1938. (Published by the Swaziland Veterinary and Agricultural Department, Mbabane, Swaziland) 24 Sw2

"An interesting account, giving the history of cotton cultivation in the Protectorate, and discussing the following: climate, soils, manuring, planting methods, seed rate, spacing and thinning, cultivation, picking, uprooting, ginning and marketing, pests and diseases. Since jassid has been controlled by plant selection, the main pests of cotton are American bollworm (*Heliothis obsoleta*) red bollworm, and cotton stainers. Apart from bollrot carried by stainers, cotton in Swaziland is not affected to any considerable extent by diseases." - Empire Cotton Growing Rev. 16(2): 128. April 1939.

2261. [Lorenzo, Jorge] Resultados del ensayo comparativo de variedades en los años 1935-6, 1936-7, 1937-8. Argentine Republic. Junta Nacional del Algodón, [Pub.] no. 48, 170pp. Buenos Aires, 1939. 281.372 Ar3

Results of comparative trials of varieties during the years 1935-6, 1936-7, 1937-8.

2262. Mallo, Roberto G. Metodo practico para deslinter la semilla de algodónero en la chacra, por medio del ácido sulfurico. Argentine Republic. Junta Nacional del Algodón [Publication] no. 50, 21pp. Apr. 1940. (Published in Buenos Aires, Argentina) 281.3729 Ar3

Practical method for delinting cottonseed on the farm by means of sulphuric acid.

2263. Les résultats de la sélection cotonnière. Agriculture et Elevage au Congo Belge 13(9): 139. Sept. 1939. (Published at 34, Rue de Stassart, Bruxelles, Belgium) 26 Ag84



The results of cotton selection:

"The new pedigree cottons (in Belgian Congo) have proved superior in staple length, and the most promising lines are mentioned. Of these, 145 C.55 and 145 C. are superior in yield, which more than counterbalances a slight deficiency in ginning percentage." - Empire Cotton Growing Rev. 17(1): 27. June 1940.

2264. Russo, Giuseppe. Disinfestazione dei semi di cotone. Agricoltura Coloniale 34(2): 49-53. Feb. 1940. (Published by Regio Istituto Agronomico per L'Africa Italiana, Viale Principe Umberto, 9, Firenze (8), Italy) 28 Ag82  
Disinfection of cottonseed.

2265. [U. S. Dept. of agriculture. Agricultural marketing service] Don't worry now, wait for picking time, weather tip. Government sponsored radio talk points to effective precautions. Cotton Trade Jour. 20(30): 3. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The text of a radio program entitled, "Weather Damage to Cotton," broadcast July 25, 1940, is given.

2266. Vijayaraghavan, C., and Panduranga Rao, V. The main cause of crop failure in the black soil tract of the Bellary district. Madras Agr. Jour. 27(8): 271-274. Aug. 1939. (Published by Madras Agricultural Students' Union, Agricultural College and Research Institute, Coimbatore, South India) 22 M262  
"The special conditions of this district--a heavy clay soil (58 per cent. clay), low rainfall in sudden heavy downpours, and rapid evaporation--are liable to give rise to a hard layer 6 to 9 inches thick under the top 2 inches of loose, friable soil. Rain seldom falls after the crops are planted, and the roots of seedlings find great difficulty in penetration. The effect on tap-rooted plants such as cotton is a degree of mechanical strangulation. When the layer is formed late it hastens maturation. Bunding and fallowing, by conserving moisture, delay its formation; crops of short duration have the best chance of evading its effects." - Empire Cotton Growing Rev. 17(1): 8. June 1940.

See also Items nos. 2240, 2272, 2303, 2306, 2309, 2376, 2380, 2382, 2384, 2385, 2388, 2389, 2392, 2393, 2402, 2482, 2525, 2533, 2537, 2539, 2540, 2541, 2548, 2553.

### Diseases

2267. Miller, Paul R., and Weindling, Richard. A survey of cotton boll rot diseases in 1939 and the micro-organisms associated with them. U. S. Dept. Agr. Bur. Plant Indus. Plant Disease Rptr. 23(20): 329-334, processed. Nov. 1, 1939. (Published in Washington, D. C.)  
"From a wide survey in 1939 it appears that Glomerella gossypii was present in 82.3 per cent. of the fields, or in 90.1 per cent.

if Texas and Oklahoma are omitted. It was obtained in culture from 29.9 per cent. of 2,959 bolls but was found in fewer bolls from Louisiana and Arkansas (3.8, 5.1 per cent) than from Mississippi and Alabama (33.2, 34.7 per cent.). The general extent of the disease appears to be correlated with humidity. Other common boll rot organisms were Alternaria spp., and Fusarium moniliforme and other species. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(10): 232. May 30, 1940.

2268. Ousley, Clarence. Protection from root rot. Acco Press 18(6): 8. June 1940. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2

Reprinted from the Cotton and Cotton Oil Press.

2269. Presley, John T. Unusual features in the behaviour of sclerotia of Phymatotrichum omnivorum. Phytopathology 29(6): 498-502. June 1929. (Published by American Phytopathological Society, North Queen St. and McGovern Ave., Lancaster, Pa.) 464.8 P562

"In contrast to the sclerotia produced by many fungi, those of the cotton root-rot fungus, Phymatotrichum omnivorum, seem capable of reproducing the fungus from every cell by a process of 'vegetative sprouting.' The new hyphae appear to be formed inside the cells, whose contents go through a process of disorganization and reorganization that results in the formation of new hyphae, each of which can produce a mycelium..." - Empire Cotton Growing Rev. 17(1): 57. June 1940.

See also Items nos. 2260, 2533, 2548.

### Insects

2270. Alsmeier, H. L., and Easley, Tom. Nueces County dusts cotton. Prog. Farmer, (Tex. ed.) 55(7): 28. July 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311  
Experiments for the control of flea hoppers are noted.
2271. Big crowd of ginners and farmers at Temple insect control meeting. Cotton and Cotton Oil Press 41(14): 11. July 6, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
Report of meeting held at the Blackland Experiment Station, Temple, Texas, June 26, 1940.
2272. Edniaston, A. L. Insect control increases yields. Prog. Farmer (Tex. ed.) 55(7): 28. July 1940. (Published at 1105 Southland Life Annex, Dallas, Texas) 6 T311
2273. Flea hoppers and the cotton crop. Farm and Ranch 59(7): 11. July 1940. (Published at 3306 Main St., Dallas, Tex.) 6 T31  
Dusting with sulphur is recommended for control of flea hoppers.



2274. Fletcher, R. K. Certain host plants of the cotton flea hopper. Jour. Econ. Ent. 33(3): 456-459. June 1940. (Published at Amherst, Mass.) 421 J822  
Literature cited, p. 459.
2275. High cost of cotton pests. Farm and Ranch 59(7): 21. July 1940. (Published at 3306 Main St., Dallas, Tex.) 6 T31  
"It seems necessary to again warn against slip-shod methods and make-shift implements in the effort to save cotton from insects. Most of the failures in the past have been due to failure of growers to follow proven methods and to use efficient machinery."
2276. Lepage, H. S., and Gonçalves, Linneu I. Notas phytosanitarias. O "boll-weevil" (*Anthonomus grandis* Boheman). São Paulo. Secretaria da Agricultura, Industria e Commercio. Boletim de Agricultura 39a(1): 448-468. 1938. (Published in São Paulo, Brazil) 9.2 Sa63 Ser. 39 1938  
Sanitary plant notes. The boll weevil (*Anthonomus grandis* Boheman).
2277. Lyle, Clay. Boll weevil prospects for 1940. Prog. Farmer (Miss. Val. ed.) 55(7): 28. July 1940. (Published at Cotton Exchange Bldg., Memphis, Tenn.) 6 So81
2278. [Lyle, Clay] Mississippi weekly cotton insect report. Cotton and Cotton Oil Press 41(15): 15. July 20, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
2279. Lyle, Clay. Weevil infestation small in Mississippi. Cotton Digest 12(42): 3. July 27, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
2280. McDonald, R. E. A pink bollworm invasion? Its possible significance to the cotton belt. Acco Press 18(7): [121]-[131]. July 1940. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2
2281. Medella e Silva, Joao Baptista de. O gafanhoto "Eutropidacris cristata" (L) no Norte de Minas. Brazil. Ministério da Agricultura. Boletim 27(7-12): 109-114. July-Dec. 1938. (Published in Rio de Janeiro, Brazil) 9.2 Ag83  
The grasshopper "Eutropidacris cristata" (L) of North Minas. "Eutropidacris cristata, L., caused damage to mango, orange, cassava, avocado, cotton, sugarcane and rice in the North of Minas Geraes, Brazil, in 1937. It occurred in large numbers without forming swarms, and no mass flights were observed. Spraying and dusting with arsenicals are recommended, as well as poison bait consisting of 100 lb. bran, 4 lb. white arsenic, 1.6 gals. molasses and 5.6 gals of water." - Empire Cotton Growing Rev. 17(1): 49. June 1940.



2282. Moriyama, C. A parasite of Sylepta derogata, Fab. Empire Cotton Growing Rev. 17(1): 53. June 1940. (Published at King's Buildings, Dean Stanley St., Millbank, London, S. W. 1, England) 72.8 Em7  
 from Botany and Zoology (Tokyo, Japan) 7(6): 1124.  
 "A description is given of the adult of a species of Eulophus that parasitizes the larvae of Sylepta derogata, F., on cotton in Japan. A single host contains 20 to 40 parasites. The pupal stage lasts a week, and females, which are more numerous than males, live for a fortnight." - Empire Cotton Growing Rev. 17(1): 53. June 1940.
2283. Ousley, Clarence. Cotton insects. Cotton and Cotton Oil Press 41(15): 12. July 20, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
 Editorial.
2284. Padilla, Roberto. Transcripción dela conferencia del Sr. Tom P. Cassidy sobre el control de algunos hemípteros que atacan el algodón en los Estados de Arizona y Nuevo México. El Agricultor Mexicano 56(7): 25-28. July 1940. (Published at Juárez, Chihuahua, Mexico) 8 Ag8  
 Transcription of the conference with Mr. Tom P. Cassidy on the control of some hemipteros that attack cotton in the states of Arizona and New Mexico.
2285. Parsons, F. S. Investigations on the cotton bollworm, Heliothis armigera, Hübn. Part III. Relationships between oviposition and the flowering curves of food-plants. Bul. Ent. Res. 3(2): 147-177. June 1940. (Published at Imperial Institute of Entomology, 41, Queens Gate, London, S. W. 7, England) 421 B87  
 Reference, p. 176-177.  
 Contribution from the Cotton Insect Pest Control Section of the Cotton Experiment Station, Barberton, Transvaal, Union of South Africa.
2286. Pest quarantine saves agriculture vast sums yearly. Forty thousand different crop pests as yet have no foothold here. Cotton Trade Jour. 20(29): 8. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 The work of the Bureau of Entomology and Plant Quarantine of the U. S. Department of Agriculture is described, including efforts to combat the boll weevil.
2287. Richardson, T. C. Wasted effort in the cotton patch. Farm and Ranch 59(7): 12. July 1940. (Published at 3306 Main St., Dallas, Tex.) 6 T31  
 "A great deal more is lost by not poisoning for cotton insects at all than is lost by poisoning at the wrong time or in the wrong way."

2288. Rodd, A. E. The cotton worm (Chloridea obsoleta, F.) and its control. Empire Cotton Growing Rev. 17(1): 47. June 1940. (Published at King's Buildings, Dean Stanley St., Millbank, London, S. W. 1, England) 72.8 Em7  
 From Trud. Sredneaz. Fil. Nauchnoissled. Inst. Zash. Rast. 1, p. 3, Tashkent, 1936.  
 "Investigations carried out in 1935 near Tashkent in northern Uzbekistan, where tomatoes are cultivated on a large scale, and in Khairabad, in the south, where cotton is the chief crop, indicated that there were two complete generations a year, with a partial third and fourth, the life-cycle lasting about six weeks. The first generation larvae occurred on tomatoes in both the areas investigated, but the later generations in Khairabad developed mainly on cotton."
2289. [Rowell, J. O.] Survey shows very little weevil infestation in North Carolina. Cotton and Cotton Oil Press 41(14): 10. July 6, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
2290. Say grasshopper plague growing in Dallas county. Cotton Trade Jour. 20(28): 3. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 "Continued rains, which have washed away earlier poisoning efforts, are believed to be the cause of this year's heavy infestation."
2291. Se han tomado medidas preventivas contra el gorgojo paraguayo del algodónero. Argentine Republic, Junta Nacional del Algodon, Boletin Mensual no. 60, pp. 164-165. April 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3  
 Preventive measures against the Paraguayan weevil [Conotrachelus Denieri Hust.] of cotton have been taken.
2292. Siddall, Cameron. Determining cotton insect infestation. Acco Press 18(6): 10. June 1940. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2  
 Methods for determining the degree of insect infestation are recommended.
2293. Spray gives good control of cotton fleas. Prog. Farmer, (Tex. ed.) 55(7): 28. July 1940. (Published at 1105 Southland Life Annex, Dallas, Texas) 6 T311
2294. Stepantzev, I. N. The meteorological régime of the cotton aphids and their distribution in Uzbekistan. Empire Cotton Growing Rev. 17(1): 45. June 1940. (Published at King's Buildings, Dean Stanley St., Millbank, London, S. W. 1, England) 72.8 Em7  
 From Social Sci. Techn. 7(2-3): Tashkent, 1939.  
 "In Uzbekistan cotton is attacked by several aphids, of which Aphis gossypii, Glov., A. Laburni, Kalt., and sometimes Macrosiphum (Acyrtosiphon) gossypii, Mordv., cause the most damage."



2295. [Thomas, F. L.] Texas pest toll put at a million bales a season. Loss can be prevented profitably on 70 per cent of lands, says Thomas. Cotton Trade Jour. 20(28): 7. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Extracts from address before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.
2296. [Thomas, F. L.] Weather big help to bollworms, leafworms, says entomologist. First generation boll weevils also are thriving on the dampness. Cotton Trade Jour. 20(27): 1. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Also noted in Cotton Digest 12(39): 10. July 6, 1940.
2297. [Thomas, F. L.] Weevils leading pests in most of Texas, is report. Flea hoppers do principal damage in northern part of state. Cotton Trade Jour. 20(28): 3. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Also in Cotton Digest 12(40): 5. July 13, 1940.
2298. [Thomas, F. L.] Weevils rampant, flea hoppers rife in Texas fields. Bollworms threatening on small scale, leaf worm invasion lags. Cotton Trade Jour. 20(30): 1. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Also in Cotton Digest 12(42): 5. July 27, 1940.
2299. [Thomas, F. L.] Weevils run wild in rainy fields of Texas, report. Flea hoppers numerous in North Texas, leafworm damage to come later. Cotton Trade Jour. 20(29): 1. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Also noted in Cotton Digest 12(41): 4. July 20, 1940.  
Cotton and Cotton Oil Press 41(15): 21. July 20, 1940.
2300. West Texans converted to cotton insect control. Farm and Ranch 59(7): 18. July 1940. (Published at 3306 Main St., Dallas, Tex.) 6 T31  
Dusting is "the cheapest and most effective way to control all West Texas cotton insects."
2301. Westbrook, E. C. Mopping up the first boll weevils. Prog. Farmer (Ga.-Ala.-Fla. ed.) 55(6): 45. June 1940. (Published at 821 North 19th St., Birmingham, Ala.) 6 P945G  
The pre-square mopping method of weevil control is discussed.

See also Items nos. 2256, 2260, 2303, 2319, 2515, 2533, 2548.

#### Farm Engineering

2302. Hopson, H. H., Jr., and Meek, Wm. E. The mechanization of a southern plantation. Agr. Engin. 21(6): 211-213, 217. June 1940. (Published by American Society of Agricultural Engineers,



St. Joseph, Mich.) 58.8 Ag83

Paper presented before the Power and Machinery Division, American Society of Agricultural Engineers, Chicago, Ill., December 5, 1939.

The authors "endeavor to give you a picture of the transition from mules to power on one plantation located in the heart of the Yazoo-Mississippi Delta... This plantation has been cropped to cotton for almost a century."

2303. Lewis, F. M. Power in cotton. Capper's Farmer, May 1940, p. 26. (Published at Topeka, Kans.) 6 M693

The use of a tractor in connection with flea hopper control as well as cotton cultivation is described.

See also Items nos. 2304, 2533.

#### Farm Management

2304. [Bonnen, C. A.] Blame low mechanization for lag in cotton production efficiency. Bonnen analyses mechanization as cotton production cost factor. Cotton Trade Jour. 20(27): 6. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Extracts from an address entitled, "Mechanization and Its Relation to the Cost of Producing Cotton in Texas," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.

2305. [Cox, A. B.] Sub-humid Texas farming requires special methods. Dr. Cox points to origin of soil destroying farming practices. Cotton Trade Jour. 20(27): 7. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Extracts from address entitled, "The Cotton Industry of Texas, Its Importance and the Significance of Recent Trends and Shifts in Cotton Acreage, Yield and Quality," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.

2306. Deering, Ferdie. A poor forty acres--but it grows cotton. Farmer-Stockman 53(14): 3. July 15, 1940. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 Ok45

Yields per acre and cost of producing cotton on a farm in Oklahoma are noted.

2307. Farm income from cotton, United States, 1910-39. U. S. Bur. Agr. Econ., Farm Income Situation, FIS-5, pp. 1, 5, 13-16. June 24, 1940. (Published in Washington, D. C.)

The following chart and tables are included. Farm income from cotton, United States, 1910-39; Cotton lint and cottonseed: sales, price, and cash income, United States, calendar years, 1910-39; Cotton lint and cottonseed: sales, price and cash income, by states, calendar years 1937-1939.

2308. James, H. M., and Koumides, C. C. An analysis of farming costs in Cyprus. Cyprus. Dept. Agr. Bul. 6, 46pp. Nicosia, 1939.  
 "Includes details of the cost of production of cotton planted after summer crops." - Empire Cotton Growing Rev. 17(1): 11. June 1940.
2309. One-family farms produce most of Sao Paulo cotton. Japanese raising fifth of the crop, Italian share is noteworthy. Cotton Trade Jour. 20(28): 8. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 Summary of a report on the 1939-40 season issued by the Scientific Service of the Agronomic Institute of Campinas.
2310. [Schoffelmayer, Victor H.] One-crop system hit in Waco talk by Schoffelmayer. Dallas agricultural editor points way to aid cotton industry. Cotton Trade Jour. 20(27): 7. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.)  
 72.8 C8214  
 Extracts from an address, entitled, "Changing Cotton Horizons," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.
2311. They beat cotton. Capper's Farmer May, 1940, p. 78. (Published at Topeka, Kans.) 6 M693  
 One farmer's cost of producing cotton is compared with his cost of producing pork, dairy and poultry products.

#### Farm Social Problems

2312. Camps to trail cotton pickers. Daily News Rec. no. 169, p. 18. July 19, 1940. (Published at 8 East 13th St., New York, N. Y.)  
 286.8 N48  
 "The Farm Security Administration is constructing several 'mobile camps on wheels' to care for the vast army of migrant cotton pickers in Arizona."

#### Cooperation in Production (One-Variety Communities)

2313. Seed breeding and one variety needed. Cotton Digest 12(41): 8. July 20, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
 An editorial suggesting that "state laws could be enacted where desirable bringing about not one variety communities, nor one variety areas, but two or three variety states."

See also Item no. 2401.



PREPARATIONGinning

2314. Bennett, Chas. A., and Gerdes, Francis L. Preliminary report of the United States Cotton ginning laboratory: 1939-1940. Cotton Ginners' Jour. 11(10): 7, 13, 16. July 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824
2315. Drying of seed cotton turns profit to growers. Cotton and Cotton Oil Press 41(15): 7. July 20, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
2316. Fitzsimmonds, A. L. How much does cleaning seed cotton add to grade and gin efficiency? Cotton and Cotton Oil Press 41(15): 9. July 20, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
Report of an interview with R. W. Webb of the Agricultural Marketing Service, U. S. Department of Agriculture.
2317. Gerdes, Francis L. Ginning and packaging practices in relation to quality and value of cotton. 12pp., processed. Washington, U. S. Dept. of agriculture, Agricultural marketing service, 1940. "Address Cotton Research Congress, Waco, Tex., June 28, 1940.
2318. Hall, Marvin. How to eliminate fire hazards. Cotton Ginners' Jour. 11(10): 5, 10. July 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824  
Rules advocated by the National Fire Protection Association, for prevention of cotton gin fires are given.
2319. Latest gadget gets worm, bollworm, at gin in San Benito. Cotton Trade Jour. 20(30): 2. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
"The detection of pink bollworms was due to the installation of a gin trash inspection machine placed in operation at the Rio Grande Valley."
2320. [Paulson, W. E.] Ginning industry hard hit by cut in crop, is view. Severe readjustment in number or valuation of gin plants seen. Cotton Trade Jour. 20(28): 7. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Extracts from address before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.  
The effect on the ginning industry of Texas, by the reduction in the crop from 4,500,000 to 3,000,000 bales is discussed.

See also Items nos. 2260, 2439, 2533.



Baling

2321. Bennett, Charles A., and Gerdes, Francis L. Research in high density packing at gins. Cotton and Cotton Oil Press 41(15): 5-6. July 20, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
Studies being undertaken at the Cotton Ginning Laboratory of the U. S. Department of Agriculture, Stoneville, Miss. are described.
2322. Cotton bagging to wrap long staple. Textile Bul. 58(9): 34. July 1, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82  
"Cotton bagging will be used exclusively by State [Georgia] ginners of Sea Island cotton in wrapping this year's crop."
2323. Spinners complain of stencil stains in American cotton. Cotton and Cotton Oil Press 41(15): 11. July 20, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
"Complaints of stencil stains in American cotton, and samples of the damaged lint, have been received in Washington by the Agricultural Marketing Service from European mill association representatives."  
Also noted in Cotton Digest 12(42): 9. July 27, 1940; Cotton Trade Jour. 20(30): 7. July 27, 1940.
2324. Vieira Filho, Francisco. A reprensagem do algodão. Os fardos cortados pelo ar (air-cut bale). São Paulo. Secretaria da Agricultura, Industria e Comercio. Boletim de Agricultura 39a(1): 370-404. 1938. (Published in São Paulo, Brazil) 9.2 Sa63 Ser. 39 1938  
Compressing cotton. Bale cuts by air (air-cut bale).
2325. [Wright, John W.] Washington aids bale-weight fight of warehousemen. Uniform weights desirable from many points of view, Wright points out. Cotton Trade Jour. 20(29): 1, 7. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The test of a letter from Dr. Wright to the National Cotton Compress and Cotton Warehouse Association, is given.

See also Items nos. 2317, 2433, 2450, 2461, 2486.

MARKETINGDemand and Competition

2326. Ashmore, William G. Textiles in South America. Textile Bul. 58(8): 16, 18, 48-52, 54-55. June 15, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82  
Address at annual convention of Southern Textile Association,

Blowing Rock, N. C., June 7-8, 1940.

The author reports a visit to South America during which he investigated the possibilities of trade in cotton textiles between North and South America.

2327. Bradshaw, W. H. Rayon's contribution to the tyre industry.

"Cordura" a tough viscose tyre cord developed by the Du Pont rayon corporation has a tensile strength of 70,000 lbs. per sq. in. which it maintains under high temperatures. In the case of an overloaded high-speed run in a hot climate, the mileage obtained with rayon tyres was more than 25 times as much as had ever been obtained with the best cotton tyres. Textile Rec. 58(687): 23-24. June 1940. (Published at Old Colony House, Manchester, 2, England) 304.8 T311

"Abstract of address delivered...before the General Meeting of the American Chemical Society, April 8" 1940.

Also in Silk Jour. and Rayon World 16(192): 23-24. May 1940.

2328. Brazil--cotton textile exports--1939. Cotton [Manchester] 46(2215): 7. June 22, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826

"A substantial increase was registered in exports abroad last year of Brazilian cotton manufactured goods, at 1,982 tons value 29,387 contos, compared with only 247 tons value 4,260 contos in 1938. The bulk of such manufactures exported in 1939 were shipped to Argentina, which took 1,610 tons value 23,140 contos, against only 24 tons value 312 contos in 1938; after which came Paraguay with 88 tons; Columbia, 71 tons; Jamaica, 44 tons; and Venezuela, 42 tons." - Entire item.

2329. British return to 48 hour week as orders falter. Return to peace time basis of operation, except for military supplies. Cotton Trade Jour. 20(29): 5. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

2330. Carlisle, Prince M. Textile outlook generally more favorable. Annalist 56(1434): 35-36. July 11, 1940. (Published by New York Times Co., New York, N. Y.)

Includes outlook for the second half-year in the cotton-textile industry.

2331. Cotton mill activity slackening in the United Kingdom. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(4): 118. July 29, 1940. (Published in Washington, D. C.) 1.9 St2F

2332. Cotton stamp plan working out well in Memphis. Cotton Trade Jour. 20(29): 7. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"Merchants in Memphis report a wide demand for cotton goods and leading items of requirement include pillow cases, sheets, slips for women, piece goods, diapers, shirts and shorts for men and children's play suits."



2333. Cox, A. B. Cotton situation. Tex. Business Rev. 14(5): 5-6. June 28, 1940. (Published by Bureau of Business Research, University of Texas, Austin, Tex.) 280.8 T312  
 "The first of a series of articles dealing with the broader aspects of cotton and cotton economy."  
 The world textile industry and its bearing on cotton problems is discussed.  
 Also in Cotton Digest 12(39): 11. July 6, 1940.
2334. Domestic consumption of 10,000,000 bales. Cotton Trade Jour. 20(30): 2. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 An editorial commenting on the plan of the Cotton Textile Institute for increasing the consumption of cotton in the United States to 10,000,000 bales per year.
2335. The effect of the war on the cotton trade. Textile Rec. 58(687): 10. June 1940. (Published at Old Colony House, Manchester, 2, England) 304.8 T311  
 Losses to the British cotton textile industry as a result of German invasion of Norway, Denmark, Holland and Belgium are discussed.
2336. Face the facts--the economic cure. Amer. Wool and Cotton Rptr. 54(26): 1, 37-40. June 27, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88  
 An editorial discussing mill operating costs in New England and the South.
2337. [Garrard, W. M.] Cotton textile export subsidy gets farm okeh. Staple cotton cooperative association manager calls it best way. Cotton Trade Jour. 20(28): 1, 8. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 "A substantial subsidy on American manufactured cotton goods would bring equally as satisfactory results this season as were obtained from the export subsidy on raw cotton last year."
2338. [Gelles, Bernard, & co.] Purchase Brazil's whole crop, says Gelles to U. S. New York house casts kindly eye on Pan American cartel parley. Cotton Trade Jour. 20(29): 1. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
2339. Germany--The raw material position. Textile Weekly 26(644): 7. July 5, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
 Shortage of cotton for Czechoslovak and Polish mills is noted and 1940 rayon production in Germany is estimated.
2340. Gomes, Pimentel. Perspectivas do algodão. Parahiba. Secretaria de Agricultura, Viacão e Obras Publicas. Boletim de Publicidade Agrícola 1(7-9): 11-14. Apr.-June 1939. (Published in Parahiba,



Brazil)

Outlook for cotton.

2341. Haworth, H. V. Problem of competition in cotton spinning. A plain statement of an experienced personal but practical view of Lancashire's present and coming problem. Textile Mfr. 66 (786): 234. June 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126  
Table compares relative working costs in cotton spinning in India and Lancashire.
2342. [Hickman, Francis G.] Hickman honored luncheon guest in Osaka, speaks. Tells fellow countrymen and Japanese notables of cotton hopes. Cotton Trade Jour. 20(30): 6. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
"The United States shipped its first bale to Japan in 1886 and four years later shipped 5,000 bales and in 1900 nearly 300,000 bales and in recent years one to one and a half million bales."
2343. Hickman, Francis G. Japanese trade balance sheet controlling factor in cotton. Island empire ready to buy American in so far as exchange permits. Cotton Trade Jour. 20(30): 1, 8. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The first of a series of articles on the cotton situation in the Orient.
2344. Hunt, Stanley B. Rayon staple fiber--spun rayon. An authentic discussion of their history, production and consumption record, manufacture of fiber, and the style and economic influences. Cotton [Atlanta] 104(7): 74-78. July 1940. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823
2345. Japanese women demand cotton goods. Financ. News 8(17): 7. May 4, 1940. (Published at Yusuf Bldg., 43, Esplanade Road, Fort, Bombay, India) 286.8 F496  
"The Tokio Allied Women's Association and representatives of laundries and department stores recently held a protest meeting" which "submitted the following demands to Government: (i) to expand the sphere of cotton-made articles in the market and to make all necessary articles out of cotton; (ii) to tighten control over inferior spun rayon products which are flooding the market."
2346. Krishnaswami, G. V. The size of Indian cotton mills in 1936. Part II. Indian Jour. of Statistics. Sankhya, 4(4): 505-509. Mar. 1940. (Published by Statistical Publishing Society, Calcutta, India) 251.8 In2  
"In a paper presented before the Indian Statistical Conference in 1938 the distribution of the size of cotton mills in India, as determined by the number of spindles and of looms, was analysed

with a view to discover typical sizes. In this paper an attempt has been made to analyse the figures for two other aspects, viz., the quantity of cotton consumed and the number of persons employed. Though these aspects are not suited for comparison over a long period of time on account of the changes in the efficiency of the employees and the nature of the products of their output, yet analysis may reveal striking differences in the distribution at various centres in conformity with differences in the other factors at those centres."

2347. Lancashire cotton export syndicate plan is announced. Cotton Trade Jour. 20(28): 1. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The announcement was made by the Cotton Board of Great Britain.
2348. Lancashire mills busy on orders for government. Falling off of domestic demand clears way for small export trade. Cotton Trade Jour. 20(28): 1. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
2349. Mann, E. A. United States exports of cotton cloth increased in 1939. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 24, p. 538. June 15, 1940. (Published in Washington, D. C.) 157 C76D  
A table showing exports of cloth, duck and tire fabrics for the years 1937 to 1939 is included.
2350. "Millbank." Labour organisation in cotton spinning. Reduction of production owing to labour shortage can be avoided or minimised by organisation and co-operation with the operatives. Textile Mfr. 66(786): 222. June 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
2351. Mistakes--where are the mills? Amer. Wool and Cotton Rptr. 54(27): 18. July 4, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88  
The situation in the New England textile industry is discussed.
2352. [Murchison, Claudius T.] Textile institute to speed domestic consumption drive. Murchison on southern tour, holding conferences with mill men. Cotton Trade Jour. 20(30): 1, 3. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The plan of the Cotton Textile Institute for increasing the domestic consumption of cotton is discussed.  
Also in Cotton Digest 12(42): 11. July 27, 1940.
2353. New sources sought by Argentine firms to replace Italian textiles. Domestic industries expected to benefit primarily, but part of purchases may be diverted to Britain, and eventually to U. S., when government restrictions are changed. Daily News Rec. no.



147, pp. 1, 5. June 22, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

2354. Ousley, Clarence. Saving our cotton trade. Cotton and Cotton Oil Press 41(14): 12. July 6, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

Editorial commenting on address of W. L. Clayton delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940. Trade agreements are approved.

2355. Pact is extended on cotton goods. Jour. Com. [N. Y.] 185(14283): 3. July 16, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

An announcement by the Department of State of the "extension of the existing arrangement relating to importation of Japanese cotton piece goods into the Philippine Islands for another year beginning August 1," 1940. Importation of 45,000,000 square meters is permitted annually.

2356. Principal sources of Philippine textile imports in 1939. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 25, pp. 557, 558. June 22, 1940. (Published in Washington, D. C.) 157 C76D

Statistics showing the amount and value of cotton manufactures from the United States, imported in 1938 and 1939 are included.

2357. Propaganda para el mayor consumo de algodón en el país. Gaceta Algodonera 17(196): 23. May 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

Propaganda for increased consumption of cotton in the country.

2358. [Revere, C. T.] Liberalizing of export subsidy on cottons urged. Daily News Rec. no. 164, p. 5. July 13, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

2359. Revere, C. T. Post-war changes loom for cotton policies of U. S. Revere believes radical revision of Government attitude indicated. Cotton Trade Jour. 20(27): 1, 8. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

The post-war outlook for cotton is discussed, and a liberal subsidy on cotton products is advocated.

2360. Spanish cotton exports. Textile Mercury and Argus 102(2670): 552. May 24, 1940. (Published at 41 Spring Gardens, Manchester, England) 304.8 T318

"The export of cotton goods from Spain is to commence this month, the Government having completed its plans."

2361. Stamp plan works in Memphis. Cotton Digest 12(39): 4. July 6, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822



2362. Stamp purchase figures broken down in Memphis. Data on items purchased, and prices, are charted from backs of coupon booklets for average week in 15 representative stores--survey shows low end goods are in greatest demand, with wearing apparel getting most volume. Daily News Rec. no. 158, pp. 1, 7. July 6, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
2363. Stubblefield, Blaine. Defense--and textile demand. A survey of the new program in terms of effect on this industry. Textile World 90(7): 40-43. July 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N. Y.) 304.8 T315
2364. Study of synthetic fibres in Japan. Some recent progress. Silk Jour. and Rayon World 16(192): 24. May 1940. (Published at Old Colony House, South King St., Manchester, 2, England) 304.8 Si3  
 "From the East Asia Economic News, vol. 2, no. 2."  
 A chemical fiber, made from polyvinyl alcohol, and named "Synthetic no. 1" is noted. The process for manufacturing the fiber is given.
2365. Two-shift working to speed up production. Textile Weekly 25(642): 724. June 21, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
 "It was agreed that workpeople engaged in the production of yarns and cloths for aeronautic purposes shall, during the next four weeks, work on a system of two shifts."
2366. Die umgestaltung des aussenhandels durch den krieg. (Exportentwicklung in der spinnerei und weberei). Spinner und Weber 58(22): 9-10, 29. May 31, 1940. (Published in Pössneck, Thür, Germany) 304.8 So41  
 The reorganization of foreign trade during the war. Export developments in spinning and weaving.
2367. [U. S. Dept. of agriculture. Surplus marketing administration] Cotton products export subsidy extended a year. Cotton Trade Jour. 20(27): 6. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 "The rates of payment are the same as those which applied on June 30 for exports of cotton products under the 1939-40 program."  
 Also noted in Cotton Digest 12(39): 13. July 6, 1940.
2368. [U. S. Dept. of agriculture. Surplus marketing administration] Los Angeles area fourth designated in stamp program. U. S. Department of agriculture announces local cooperation pledged. Cotton Trade Jour. 20(30): 3. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 Also in Cotton Digest 12(42): 9. July 27, 1940.

See also Items nos. 2307, 2371, 2391, 2409, 2410, 2510, 2520, 2522, 2524, 2528, 2529, 2530, 2540.

### Supply and Movement

2369. O algodão em Pernambuco. Revista do Algodão 10(55): 3076-3079. May 1940. (Published at Rua de S. Bento, 389, São Paulo, Brazil)  
Cotton in Pernambuco. A table showing exports from Pernambuco, by country of destination, for 1938-39 is given.
2370. O algodão no Estado da Parahyba. Revista do Algodão 10(55): 3080-3081. May 1940. (Published at Rua de S. Bento, 389, São Paulo, Brazil)  
Cotton in the State of Parahyba. A table showing production for the years 1928-29 to 1939-40 is included.
2371. Bacon, L. B., and Schloemer, F. C. World trade in agricultural products; its growth, its crisis, and the new trade policies. 1102pp. Rome, International institute of agriculture, 1940. 286 B13  
Cottonseed and cotton oil, pp. 272-279; Cotton, pp. 395-418.
2372. O Brasil e a situação mundial do algodão. Revista do Algodão 10(55): 3071-3074. May 1940. (Published at Rua de S. Bento, 389, São Paulo, Brazil)  
Brazil and the world cotton situation. A table showing raw cotton exports from Brazil for the years 1821 to 1939 is given.
2373. Brazil's cotton exports in 1939. Largest on record: important purchasers. Textile Weekly 25(643): 762. June 28, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
A table showing exports from Brazil by country, 1936 to 1939, is given.
2374. British Empire cotton crop total in moderate recession. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(3): 92-93. July 22, 1940. (Published in Washington, D. C.) 1.9 St2F  
Table shows British Empire crops (excluding India), 1929-30 to 1938-39.
2375. Cotton as a deciding factor. Textile Weekly 25(643): 751, 773. June 28, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
Editorial on the world cotton supply in which it is stated that "cotton men realize that the American Government may be carrying control of cotton production unwisely too far."
2376. Cotton growing efforts. Cotton Trade Jour. 20(27): 2. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
An editorial commenting on the efforts of Japan to increase cotton production in China.



2377. Cotton growing experiment in Italy termed successful. Daily News Rec. no. 176, p. 5. July 27, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
2378. The cotton industry of Brazil. South Amer. Jour. 127(16): 325. Apr. 13, 1940. (Published at 52, Queen Victoria St., London, E. C. 4; England) 280.8 So86  
A table showing exports of raw cotton, by country of destination, for the years 1935 to 1939 is given.
2379. Cotton production in Haiti about 25 percent below last year. U. S. Dept. of Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(2): 43. July 15, 1940. (Published in Washington, D. C.) 1.9 St2F  
"An estimate based on total exports from October 1, 1939 to June 20, 1940, indicates that the 1939-40 Haitian cotton crop will be about 25 percent less than last year's production of 20,643 bales of 478 pounds."  
Also noted in Cotton Digest 12(41): 14. July 20, 1940.
2380. Crop beginning to move, first bale is ginned. Hidalgo county gets honor, Nueces and San Patricio about ready. Cotton Trade Jour. 20(27): 1, 6. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The first bale of the 1940 crop was ginned June 28 at Edcouch, Hidalgo County, Texas.  
Also noted in Cotton Digest 12(39): 4. July 6, 1940.
2381. La culture du coton en U. R. S. S. Agriculture et Elevage au Congo Belge 13(9): 132-133. Sept. 1939. (Published at 34, Rue de Stassart, Bruxelles, Belgium) 26 Ag84  
The cultivation of cotton in U. S. S. R. Includes statistics of production and export.
2382. Dantas, Garibaldi. A aliança do café e do algodão em São Paulo. São Paulo. Instituto de Café. Revista 26(157): 236-239. Mar. 1940. (Published at Rua Wenceslau Braz, 67, São Paulo, Brazil) 68.29 Sa63  
The alliance of coffee and cotton in São Paulo.
2383. Dawson, Owen L. Philippine agriculture, a problem of adjustment. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Agriculture 4(7): 383-456. July 1940. (Published in Washington, D. C.) 1.9 Ec7For  
Bibliography, pp. 449-451.  
The present position of cotton production, pp. 436-438.  
Extracts in Cotton Trade Jour. 20(31): 1, 6. Aug. 3, 1940.
2384. Empire cotton growing corporation. Report of the Administrative council of the corporation submitted to the nineteenth annual general meeting on May 28th, 1940. 45pp. London, 1940. 72.9 G79  
A table showing production in the British Empire, exclusive

of India, for the years 1929-39, is included, together with a survey of the crop position in each country.

2385. Everaerts, E. Monographie agricole du Ruandi-Urundi. Belgium. Ministère des Colonies. Direction Générale de l'Agriculture. Bulletin Agricole du Congo Belge 30(4): 581-615. Dec. 1939. (Published at Place Royale, 7, Bruxelles, Belgium) 24 K83  
Bibliography, p. 615.  
Agricultural monograph of Ruanda-Urundi. Cotton, pp. 600-603.
2386. Exportação de algodão brasileiro. Revista do Algodão 10(55): 3082-3083. May 1940. (Published at Rua de S. Bento, 389, São Paulo, Brazil)  
Exports of Brazilian cotton. A table showing exports by loading ports and country of destination for the years 1937 to 1939, is given.
2387. Gordon, J. B. New cotton crop seen as purely a domestic matter. Daily News Rec. no. 168, p. 11. July 18, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48  
"For the first time in modern history, its disposition is regarded by most market commentators as strictly a domestic movement--in which American spinners will bid for supplies of their raw material in competition with the Government loan."
2388. Government cotton report. Com. & Financ. Chron. 151(3916): 141-142. July 13, 1940. (Published by William B. Dana Co., 25 Spruce St., New York, N. Y.) 286.8 C73  
Editorial on the "report of the Department of Agriculture of cotton in cultivation July 1."
2389. Japanese aiming at four million bale production. North and central China and Kwantung and Manchuria areas affected. Cotton Trade Jour. 20(27): 6. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Plans of the Japanese Cotton Cultivating Association, for increasing production in China are noted.  
Also in Cotton Digest 12(39): 14. July 6, 1940; Delta Council News 1(11): 4. July 11, 1940.
2390. Japanese cotton situation becomes more unfavorable. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(4): 116-117. July 29, 1940. (Published in Washington, D. C.) 1.9 St2F  
"The present outlook for the purchase of raw cotton at the 1939-40 import level from most sources is decidedly pessimistic."
2391. Mann, E. A. Destination of United States textile exports in 1939. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 26, p. 574. June 29, 1940. (Published in Washington, D. C.) 157 C76D  
A table showing "United States exports of cotton and other textile fibers and manufactures thereof to important markets during the calendar year 1939," is given.



2392. Mississippi floods sweep cotton fields. Cotton Digest 12(41): 4. July 20, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

"Reports from county agents throughout the state indicated that Mississippi's 1940 crops will be cut by at least 25 per cent...with damage in some counties estimated as high as 50 per cent."

2393. Nevros, K. Die landwirtschaftlichen probleme Griechenlands. Die Ernährung der Pflanze 36(6): 62-66. June 1940. (Published at Dessauer Strasse 28/31, Berlin, SW 11, Germany) 57.8 Er6  
The agricultural problems of Greece.

Cotton growing is mentioned. Pictures showing cotton growing in the field illustrate the article.

2394. Prospects fade for export subsidy. Cotton Digest 12(42): 3. July 27, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

No method of financing an export subsidy on cotton has been worked out.

2395. Prospects, 1939-40 season. So. Africa. Dept. Agr. and Forestry. Crops and Markets, Jan. 1940, p. 107. (Published in Pretoria, South Africa) 24 So84Cr

"Owing to the substantial advance in price and large inquiries for lint from South African factories, a much larger acreage has been planted than for the past two seasons. Good rains at planting time have been experienced and the crop is progressing favourably. Unless damage is done by drought and locusts, the prospects are decidedly most encouraging. Should the war last any length of time great interest is likely to be taken in the revival of the cotton industry in the Union." - Entire item.

2396. Rumania's proposed 5-year plan to increase cotton acreage. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(2): 43. July 15, 1940. (Published in Washington, D. C.) 1.9 St2F

"The 5-year plan proposed by the Rumanian Ministry of Agriculture and published on March 21, 1940, if enacted and carried out, would increase cotton acreage from the 5-year average, 1935-1939, of about 12,000 acres to 260,000 acres. In view of recent boundary changes in Rumania, the plan will have to be revised or abandoned."

2397. See Greek cotton acreage increase 10 to 25 per cent. Athens continues price-fixing controls, tax on fiber remains in effect. Cotton Trade Jour. 20(28): 6. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

2398. Southern spots spring surprise in July tenders. Ample increase in certificated stocks eases liquidation of July longs. Cotton Trade Jour. 20(28): 5. July 13, 1940. (Published at Cotton

Exchange Bldg., New Orleans, La.) 72.8 C8214

"The certificated stock of cotton...amounted to 45,284 bales and this was the largest certificated stock since late in December, 1938."

2399. Terpening, G. K. Quality helps determine whether cotton pays off. Farmer-Stockman 53(13): 346. July 1, 1940. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 Ok45  
Tables showing percentages of the 1939 Oklahoma cotton crop according to grade and staple length are given.
2400. Todd, John A. Cotton statistics. A review of war effects on cotton movements in the season. Textile Mfr. 66(786): 220-221, 226. June 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
2401. [Torn, Elmore] East Texas bids for home markets, staples longer. Single variety cotton improvement work reducing dependence on export. Cotton Trade Jour. 20(29): 6. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Also noted in Cotton Digest 12(41): 10. July 20, 1940.
2402. [U. S. Dept. of agriculture. Agricultural marketing service] Cotton acreage report subject of radio talks. Presentation tells of shifts in acreage, talk is in lay terms. Cotton Trade Jour. 20(28): 3. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Summary of a radio program, entitled, "1940 Cotton Acreage Report," broadcast over a number of stations in the cotton belt.
2403. U. S. Dept. of commerce. Bureau of the census. Cotton production in the United States, crop of 1939. Prepared under the supervision of Harvey J. Zimmerman. 37pp., processed. Washington, U. S. Govt. print. off., 1940.
2404. The West India committee. Report of the Executive committee for the year 1939-40. West India Com. Cir. 55(1087): 129-133. May 30, 1940. (Published at 40 Norfolk St., London, W. C. 2, England) 8 W524  
A brief statement regarding the production of sea island cotton in the British West Indies, 1938/39 is included.
2405. Westbrook, E. C. The cotton picture yesterday, today and tomorrow. 7pp., processed. [Athens, Georgia Agricultural extension service, 1940]  
Address, thirty-second annual convention, Cotton Seed Crushers' Association of Georgia, Savannah Beach, June 3, 1940.  
A discussion of cotton production in Georgia. 10 pages of tables prepared by R. R. Childs are appended.

See also Items nos. 2242, 2249, 2254, 2255, 2258, 2260, 2309, 2320, 2339, 2482, 2510, 2516, 2521, 2525, 2526, 2536, 2537, 2540, 2541, 2553.



Prices

2406. C., G. M. 10-mart average of better sort of featured offering. New statistical feature indicates spot price trends day by day. Cotton Trade Jour. 20(29): 1, 7. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
A new method of computing the average price of spot cotton in the ten designated markets is suggested. A new table giving the Cotton Trade Journal's adjusted, weighted 15/16" average price, daily, appears on page 4.
2407. Caterson, Herbert. July cotton drop said to bring many spot trade losses. Daily News Rec. no. 159, pp. 1, 6. July 8, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48  
Causes of the present price situation are discussed.
2408. Factores que determinaram a baixa nos preços do nosso algodão. Ouro Branco 5(12): 33-37. Apr. 1940. (Published at Rua Assembleia, 209, São Paulo, Brazil)  
Factors that cause a decrease in the prices of our cotton.

See also Items nos. 2307, 2397, 2540.

Marketing and Handling Methods and Practices

2409. Caterson, Herbert. N. Y. cotton exchange sales so far in July smallest in 25 years. Government control of 8,867,109 bales hold a factor, as well as foreign situation. Daily News Rec. no. 174, pp. 1, 15. July 25, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48  
Reasons for the decline in the volume of sales on the New York Cotton Exchange are discussed.
2410. El gobierno del Paraguay comprara por intermedio del Banco agricola el saldo de la produccion de algodón. Gaceta Algodonera 17(196): 23. May 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11  
The government of Paraguay purchased through the Bank of Agriculture the last of the cotton produced.
2411. Parker, Walter. Pan-American cartel may prove beneficial to marketing system. Should supplement and not suppress tried methods, view. Cotton Trade Jour. 20(28): 6. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
2412. Scan futures market structure as shown by CEA graphic chart. Long side left to little fellows, big speculators CEA-shy. Cotton Trade Jour. 20(30): 4. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
A chart reprinted from the June issue of Trade in Cotton Futures, published by the Commodity Exchange Administration,

showing the "structure of the New York futures market during the 27-month period ended July 1," is given and explained.

2413. Trade to handle cotton in deals for tin, rubber? N. O. cotton exchange adds its voice to pleas against bartering. Cotton Trade Jour. 20(27): 1. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Text of resolution passed by the board of directors of the New Orleans Cotton Exchange is given.

See also Items nos. 2260, 2317, 2510, 2533, 2548.

#### Marketing Services and Facilities

2414. Amount of loan argued. Cotton Digest 12(40): 8. July 13, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Editorial concluding that "a loan of 9.30 cents is reasonable, and it should not be set above this figure."

2415. El Banco de la Nación acordará créditos especiales prendarios sobre fibra de algodón de la presente campaña. Gaceta Algodonera 17(196): 5-6. May 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

The National Bank accords special credits on cotton fiber of the present crop.

2416. Cotton handling truck. Textile World 90(7): 70. July 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N. Y.) 304.8 T315

2417. Loan should be announced soon. Cotton Digest 12(39): 8. July 6, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

An editorial which says in part: "If a loan is not promulgated early in July, then there will be a good many cotton farmers who have harvested and sold their cotton before the loan is put into effect."

2418. National cotton compress and cotton warehouse association, inc. Articles of incorporation and by-laws as amended, May, 1940. 14pp. [New Orleans, 1940]

2419. [National cotton compress and cotton warehouse association. Special insurance committee] Warehouse risk committee asks added benefits. Special meeting at Memphis delves further into insurance matters. Cotton Trade Jour. 20(30): 3. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Report of meeting held at Memphis, Tenn., July 21, 1940.



2420. [New Orleans joint traffic bureau] Gulf coast lines realigned on New Orleans cotton. N. O., T. & M. withdraws important limitations established in 1935. Cotton Trade Jour. 20(30): 8. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

An agreement regarding transit privileges on cotton to New Orleans.

2421. Officials disagree on size of loan. Cotton Digest 12(39): 12-13. July 6, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Probable loan rates on the 1940 crop are discussed.

2422. Rotterdam cotton association. Report...presented at the annual general meeting of the members, held November 10th 1939. [15]pp., processed. [Rotterdam, 1939] 287 R74R

2423. Se encuentran en vigor los nuevos patrones de grado para fibra de algodón Argentino. Argentine Republic, Junta Nacional del Algodon, Boletin Mensual no. 60, pp. 143-146. April 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3

The new grade standards for Argentine cotton are being pushed vigorously.

Decree no. 57,240 is included.

2424. [Torn, Elmore R.] Purchases now made strictly on quality. Cotton Digest 12(39): 4. July 6, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Extracts from address before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.

Benefits to cotton producers from the cotton classing and market news services of the Division of Cotton Marketing, Agricultural Marketing Service, U. S. Dept. of Agriculture, are discussed.

2425. U. S. Dept. of agriculture. Agricultural marketing service. Cotton classing and market news services for organized groups of growers. [6]pp. [Washington, U. S. Govt. print. off.] 1940. 1 M341C

The services are described.

2426. [U. S. Dept. of agriculture. Agricultural marketing service.] Extend deadline on applications for free class. Lateness of season is assigned as cause for permitting later requests. Cotton Trade Jour. 20(30): 7. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"The deadline date for most of Mississippi Valley and the southeasterly states has been advanced from August 1 to August 15 and for the more northerly and western areas from August 15 to August 25."

2427. [U. S. Dept. of agriculture. Agricultural marketing service] "Free" classing services of U. S. more in demand. Memphis reports 686 group applications, belt total is above 2,000. Cotton Trade Jour. 20(27): 5. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
2428. [U. S. Dept. of agriculture. Agricultural marketing service] Say free classing for cotton groups is well received. Government radio program points to improved cotton as result. Cotton Trade Jour. 20(29): 7. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
A radio program, broadcast July 19, 1940.
2429. U. S. Dept. of commerce. Bureau of foreign and domestic commerce. Transportation division. The port of Nagasaki, Japan. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 25, pp. 555, 557. June 22, 1940. (Published in Washington, D. C.) 157 C76D  
The port facilities are described. "Coal and cotton goods are the principal exports...Raw cotton for the local textile mills, and iron and other metals and materials used for ship-building constitute the principal imports."
2430. U. S. Dept. of commerce. Bureau of foreign and domestic commerce. Transportation division. The port of Rangoon, Burma. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 27, p. 593. July 6, 1940. (Published in Washington, D. C.) 157 C76D  
Raw cotton is exported and cotton goods are imported through this port.
2431. [U. S. Interstate commerce commission] Ruling on transit substitution made effective by ICC. Southwestern territory is especially benefited by final action. Cotton Trade Jour. 20(30): 8. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The decision relates to "the substitution of cotton handled in truck, wagon, boat or barge for uncompressed cotton handled by the railroads and originating within 50 miles of the transit point."  
Also in Cotton Digest 12(42): 10. July 27, 1940.
2432. Warehousemen's insurance body to press ahead. Granting of refund in line with representations made in March is signal. Cotton Trade Jour. 20(29): 3. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The work of the Special Insurance Committee of the National Cotton Compress and Cotton Warehouse Association is noted.

See also Items nos. 2316, 2398, 2519, 2527, 2545.



Marketing Costs

2433. Cite rise in cotton bagging use in plea for S. C. rail rate cut. Daily News Rec. no. 162, p. 15. July 11, 1940. (Published at 8 East 13th St.; New York, N. Y.) 286.8 N48  
 "Plans for the heavy use of cotton in making of cotton bagging were disclosed here today when application was made to the [South Carolina] State Public Service Commission by Southern railroads for reductions in freight rates on cotton bagging... The Public Service Commission agreed immediately to the rate reduction proposed."
2434. Cotton to the ports. Traffic World 65(24): 1505. June 15, 1940. (Published at 418 S. Market St., Chicago, Ill.) 288.8 T672  
 Railroad and truck freight rates on cotton to Gulf ports are discussed.

See also Items nos. 2420, 2431, 2432, 2527.

Cooperation in Marketing

2435. Agricultural cooperation--a yearly review. U. S. Farm Credit Admin. News for Farmer Coop. 7(4): 3-30. July 1940. (Published in Washington, D. C.) 166.2 N47  
 Cotton, pp. 16-17.
2436. Andrews, Stanley. "Sooner state" coops mark 20 years. Amer. Cotton Grower 6(2): 6-7. July 1940. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32  
 Report of meeting of Oklahoma Cotton Growers Association held on May 27, 1940 at Oklahoma City.
2437. Decentralization of ACCA ordered, war stated cause. Creekmore makes statement following meeting of directors here. Cotton Trade Jour. 20(27): 1, 4. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 The text of Mr. E. F. Creekmore's statement to the board of directors of the American Cotton Cooperative Association, is given.
2438. Park, Roy H. Annual meeting attracts 4,000. Cooperatives report most successful year in history to throng of delegates. Carolina Co-op. 18(7): 2-3, 11. July 1940. (Published by the Carolina Co-Operator Publishing Co., Inc., 121 East Davie St., Raleigh, N. C.) 72.8 N81  
 Report of annual meeting of the North Carolina Cotton Growers Cooperative Association, held in Raleigh, N. C., "last month."
2439. What about cotton. Tex. Farming and Citric. 16(13): 4. July 1940. (Published by Watson Publishing Co., 319 East Jackson St., Harlingen, Tex.) 80 T31  
 What the farmer "needs to do in South Texas is to raise the

best possible quality of long-staple cotton and leave its ginning and marketing to cooperative associations, which are steadily becoming stronger and more effective in their service to the grower."

### UTILIZATION

#### Fiber, Yarn and Fabric Quality

2440. British standard (textile) no. 2, 1939. Designation of twist in single yarns, folded yarns and cables. Textile Inst. Jour. 31(6): S15. June 1940. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31  
The use of "S" and "Z" to designate direction of twist is approved.
2441. British standard (textile) no. 3, 1939. Existing yarn count systems and conversion of counts. Textile Inst. Jour. 31(6): S16-S18. June 1940. (Published at 16 St. Mary's Parsonage, Manchester, 3, England) 73.9 T31
2442. Farr, Wenda K. Formation of cellulose particles in Halicystis sp. Amer. Jour. Bot. 26(10, sup.): 1s. Dec. 1939. (Published at Prince and Lemon Sts., Lancaster, Pa.) 450 Am36  
Abstract of paper presented before the general section, Botanical Society of America, Columbus, Ohio, December 28-30, 1939.
2443. Fireproof cotton fiber. Rayon Textile Monthly 21(7): 402. July 1940. (Published at 303 Fifth Ave., New York, N. Y.) 304.8 R21  
A demonstration of fireproofed cotton at Charlotte, N. C., is noted.
2444. Ganeshan, D. Aceto-carminic smear technique for cotton cytology. Current Sci. [India] 8(3): 114-115. Mar. 1939. (Published by Indian Institute of Science, Hebbal Post, Bangalore, India) 475 Sci23  
"An account of an improved aceto-carminic smear technique which has given excellent results for cotton." - Empire Cotton Growing Rev. 17(1): 63. June 1940.
2445. Goldthwait, Charles F. Anniversaries of mercerization. Cur. News of Chem. and Chem. Engin. (News ed.) 18(12): 538-539. June 25, 1940. (Published by American Chemical Society, 706 Mills Bldg., Washington, D. C.) 381 J325N  
Brief account of the history of mercerization.
2446. Henning, H. J. Über das knickfestigkeitsprüfgerät für einzelfasern. Klepzig's Textil-Zeitschrift 43(9): 216. Feb. 28, 1940. (Published at Thaubchenweg 23, Leipzig C1, Germany) Fur. Stand. Fibre bending test apparatus.  
"Diagrams are given of the clamp used in the original bend-



ing test apparatus and of an improved type of clamp. Some defects of the original clamp and the advantages of the improved type are pointed out. - C. - Textile Inst. Jour. 31(5): A265. May 1940.

2447. Hermans, P. H. Die festigkeits-dehnungs-diagramme isotroper zellulosefäden im lichte der theoretischen beziehung zwischen quellungsanisotropie, orientierung und festigkeit. I. Fäden verschiedenen quellungsgrades. Kolloid Zeitschrift 89(3): 344-348. Dec. 1939. (Published by Kolloid-Gesellschaft, Residenzstrasse 32, Dresden-Bl., Germany) 384 Z315

The strength-elongation diagram of isotropic cellulose fibers in the light of the theoretical relation between swelling anisotropy, orientation and strength. I. Fibers of various degrees of swelling.

"The 8th communication brought the important experimental results, that in the elongation of isotropic fibers the orientation as a function of the elongation at all degrees of swelling always rises according to the same curve, in case one employs not the conventional degree of elongation  $v$ , but another (likewise obtainable from the experimental data) degree of elongation  $v_t$  calculated to the dry condition, as a measure of the elongation." - From translation of the author's summary by C. M. Conrad.

2448. Hermans, P. H. Die festigkeits-dehnungs-diagramme isotroper zellulosefäden im lichte der theoretischen beziehung zwischen quellungsanisotropie, orientierung und festigkeit. II. Fäden verschiedener herstellungsweise. Kolloid Zeitschrift 89(3): 349-354. Dec. 1939. (Published by Kolloid-Gesellschaft, Residenzstrasse 32, Dresden-Bl., Germany) 384 Z315

The strength-elongation diagram of isotropic cellulose fibers in the light of the theoretical relation between swelling anisotropy, orientation and strength. II. Fibers of various methods of manufacture.

"In the 8th communication a simple law was found for the course of orientation in the stretching of isotropic cellulose xanthogenate fibers and the hydrate cellulose fibers of entirely different degrees of swelling produced from them. This law states that the orientation (judged by the swelling anisotropy) independent of the degree of swelling during the elongation, is related always in the same way with the degree of elongation in case not the experimental but the so-called 'characteristic' degree of elongation  $v_t$  (which refers always to the dry condition) is used as a measure of elongation." - From translation of the author's summary by C. M. Conrad.

2449. Jaumann, A. Das ermitteln der formfestigkeit von gewebe. Kunstseide und Zellwolle 22(1): 17-24. Jan. 1940. (Published at Drakestr. 45, Berlin-Lichterfelde-West, Germany) Fur. Stand.

Resistance of textiles to deformation.

"The handle and draping qualities of textile materials are discussed and a test described in which the sample (yarn and

fibre tufts, cloth specimens 6 x 3 cm.) is gripped by the thumb and forefinger of each hand, twisted through 180° and one grip released after 10 seconds. The amount of recovery shown by various samples composed of rayon, viscose, acetate and cuprammonium staple fibre, wool and cotton in the wet and dry states is compared in a series of photographs. - C." - Textile Inst. Jour. 31(5): A269. May 1940.

2450. Jones, E. H. A moisture meter for textile materials. Jour. Sci. Instruments 17(3): 55-62. Mar. 1940. (Published by Institute of Physics, 1 Lowther Gardens, Exhibition Road, South Kensington, S. W. 7, England. Emergency address: The University, Reading, Berkshire, England) 297.8 J82

"An instrument [the Shirley moisture meter] is described which estimates the moisture content of certain textile materials by utilizing the relationship which exists between their moisture condition and electrical resistivity. A novel electrode system is used which practically eliminates any variations in resistance which might otherwise arise from variations in the shape, size or initial density of packing of the material, and by employing a stainless steel anode, renders negligible any errors due to polarization effects. By employing interchangeable electrode systems having different conductance factors, the range of resistance covered by the meter may be made to apply to materials of widely different resistivities. The instrument employs common types of thermionic valves incorporated in a circuit so designed that simple adjustments can be made to correct for differences in the emission of valves and variation in mains voltage without affecting the original calibration. - E. S." - Lawrence Col. Inst. Paper Chem. Bul. 10(9): 359-360. May, 1940.

2451. King, G., Cassie, A. B. D., and Baxter, S. Propagation of temperature changes through textiles in humid atmospheres. Faraday Soc. Trans. 36(3): 445-465. May 1940. (Published at 98 Great Russell St., London, England) 382 F22

"The authors describe a study of two properties, the hygroscopicity and high surface/volume ratio, that influence the rate of propagation of temperature change of textile fibres used for clothing purposes... Temperature/time curves for wool and cotton are reproduced. Finally, by appropriate modification of the apparatus, Henry's formulae for the diffusion of water vapour concentration into absorbing media were verified experimentally for cotton and certain modifications suggested. - C." - Textile Inst. Jour. 31(5): A266. May 1940.

2452. Kozhin, N., and Mokhova, N. The use of sodium hydroxide in boiling of cotton. Chem. Abs. 34(6): 1856. Mar. 20, 1940. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 Am33C

From Byull. Ivanovo Nauch. Issledovatel. Tekh. Inst. no. 4-5, pp. 77-80. 1938.

"The amt. of NaOH needed for bucking and the loss of wt. of



cotton were investigated with 6 samples of cotton and cottonin. The loss of wt. depends mainly on the grade of cotton; a preliminary treatment of the cotton has an insignificant effect. Impurities in cotton have a decided effect on the amt. of NaOH required. Boiling of 1st-grade cotton (freed from mech. impurities) takes 1.52% of NaOH while 5.03% is needed for boiling the impurities taken from the cotton. - W. R. Henn."

2453. Mangenot, Georges, and Raison, Madeleine. Sur les caractères morphologiques de la gélatinisation des membranes cellulosiques nitrées. Paris. Académie des Sciences. Comptes Rendus 210(19): 674-676. May 6, 1940. (Published by Gauthier-Villars, Quai des Grands-Augustins, 55, Paris, France) 505 P21

The morphologic characters of the gelatinization of nitrated cellulose membranes.

"Microscopic observations of the dissolution of nitrated cotton and ramie fibres in cyclopentanone and di-ethylene glycol nitrate are discussed. The observations indicate the existence on the surface of cotton fibres of systems of fine fibrils in ring or spiral formation. The nitrated ramie fibres gave no evidence of ring or spiral arrangements of fibrils but broke up into long needle-shaped fragments parallel to the fibre axis, which dispersed and dissolved. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(11): 273. June 15, 1940.

2454. Mauersberger, H. R. Conception of cotton fiber structure upheld. Rayon Textile Monthly 21(7): 413-415. July 1940. (Published at 303 Fifth Ave., New York, N. Y.) 304.8 R21  
Literature cited, p. 415.

"The conclusions drawn in recent papers by Harris and co-workers" are discussed.

2455. Merey, P. The reactions of cellulose fibers and their materials during bleaching. Chem. Abs. 34(7): 2181. Apr. 10, 1940. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 Am33C

From Teintex 4:531-7(1939).

"Na<sub>2</sub>CO<sub>3</sub> is better than NaOH for removing grease from cotton. Petroleum hydrocarbons, turpentine and tetralin are added more easily to liquefy the waxes. Waxes, which consist of unsaponifiable substances, alcs. of high mol. wt., and unsaponifiable esters and acids such as cerotic, and carnaubic acids which form insol. soaps are difficult to remove. The glycerides of palmitic, stearic and oleic acids become saponif. easily...- Saverio Zuffanti."

2456. [National cotton council of America] Character tests sought for new breeds of cotton. National cotton council behind drive for character improvement. Cotton Trade Jour. 20(28): 7. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Report of the activities of the Council's Mellon Institute Fellowship to the Cotton Research Congress, Waco, Texas, June 27-29, 1940, is given.

Also noted in Cotton Digest 12(40): 12. July 13, 1940.

2457. Meiman, R. S., and Kargin, V. A. [Sorption of water by cellulose fibers] *Promyshlennost Organicheskoi Khimii* 6(11): 628-633. Nov. 1939. (Published in Moskva, U. S. S. R.) 385 P94

Literature, p. 633.

In Russian.

"Sorption and desorption of water vapour are accelerated at low pressures, equilibrium being attained within 1-1.5 hours. (McBain's method) as compared with 2-3 months (Obermiller's method). Hysteresis is a feature of both methods. Fibres of equal serimetric index give identical sorption isotherms. The tensile strength per unit area of cross-section of cotton fibre falls with rising moisture content. The hygroscopicity of cotton and sulphite cellulose rises as a result of mercerisation, but is unchanged by other processes affecting the length of cellulose units or their orientation. Hygroscopicity is least for cellulose acetate and greatest for casein fibres. - C." - *Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit.* 20(10): 244-245. May 30, 1940.

2458. Procédé rendant ignifuges, imperméables, bactéricides et imputrescibles en une seule opération les matières d'origine cellulosique. *Rusta* 15(2): 58-59. Feb. 1940. (Published at 61, Avenue Jean-Jaurès, Paris 19, France) Bur. Stand.

Simultaneous fire, water- and rot-proofing of cellulose materials.

"Cellulosic materials, such as cotton, linen and rayon fabrics, may be water-proofed and fire-proofed and made resistant to bacteria and rotting by treatment with oxides of bismuth, selenium, antimony, etc., in the presence of chlorinated or brominated products of such substances as paraffin, naphthalene, rubber, etc., resins, and suitable solvents, dispersing agents, and plasticising agents. A suitable mixture comprises 60 parts benzene, 9 parts chlorinated rubber, 5 parts chlorinated naphthalene, 14 parts antimony oxide, 7 parts phenolic resin and 5 parts linseed oil. - C." - *Textile Inst. Jour.* 31(5): A257. May 1940.

2459. Richter, George A., and Glidden, Kenneth E. Cellulose sheet swelling. Effect of temperature and concentration of sodium hydroxide solutions. *Indus. and Engin. Chem. (Indus. ed.)* 32(4): 480-486. Apr. 1940. (Published at 706 Mills Bldg., Washington, D. C.) 381 J825

Literature cited, p. 486.

"This article is the first of a series that deals with the behavior of sheeted cellulose fibers when immersed in solutions that cause the sheets to swell. The effects produced are measured primarily in terms of the three dimensional changes, the volume increase, and the weight increase of the drained sheet. This first article deals with five basically different types of fiber, four of wood origin, the other a normal grade of purified cotton linters. The data are concerned wholly with results obtained when the sheets are submerged in sodium



hydroxide solutions that range in concentration from 6 to 30 per cent, at temperatures from 50 to 350 C. The data are expressed graphically and reveal marked differences in the degree to which each type of sheet is swollen. The process history of the cellulose influences both weight increase and volume increase of the sheets in question. In all cases the volumetric swelling and the absorption of liquor are maximum at concentrations of 10 to 12 per cent sodium hydroxide and are more pronounced at the lower temperatures. No attempt is made to explain the relations of cause and effect."

2460. Sookne, Arnold M., Fugitt, Charles H., and Steinhardt, Jacinto. Electrodialytic estimation of ash and of acidic and basic groups in textile fibres. Textile Res. 10(9): 380-389. July 1940. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293  
References, p. 389.

"The hydrogen-ion equivalence of the cationic ash of fibres (the total content of the cations of bases whether free, or combined with acids, or with acid groups of the fibres) may be obtained directly, without ignition, by existing electrodialytic procedures which have been hitherto applied principally to biological solutions. Only simple and inexpensive equipment is required. The content of any given anion in the sample may be similarly determined. By duplicating the procedure on a larger scale, the method has been used to obtain samples of fibrous materials of very low ash content. A simple extension of the method which permits the quantitative determination of the acidic and basic groups in the material consists in combining them with suitable tightly bound cations or anions which are subsequently estimated by the electrodialytic procedure. Examples are given of the application of the method to dewaxed and to depectinized cotton. In both cases the results are shown to correspond with capacity of the fibres to bind acid."

2461. A successful search for the cause of "black specks" in goods. A southern mill ferrets out the cause of many another mill's headaches, and tells what is being done to eliminate the source of these "specks." Cotton [Atlanta] 104(7): 116, 117, 144. July 1940. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823

The specks were caused by paint from bale ties.

2462. Uyeda, Yoshisuke, and Ogawa, Yuzo. Studies on Japanese dyeing tannins, XXII. On the influence of the volume on the absorption of various tannin solutions by cellulose. Soc. Chem. Indus. Japan. Jour. (Sup. Binding) 43(1): 23B. Jan. 1940. (Published by Society of Chemical Industry, Yuraku Bldg., Marunouchi, Tokyo, Japan) J 385 J82

"The absorption of tannin (two Japanese sorts and a commercial product) by absorbent cotton is expressed in a series of curves. The experimental particulars were: cotton 5 g, tannin

4 per cent., volume of solution 100 to 500 c. c., immersion period 24 hours, temperatures 15, 25 and 30° C. The absorption is greater the lower the temperature and inversely proportional to the volume of solution. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(10): 241. May 30, 1940.

2463. Von Bergen, Werner, and Krauss, Walter. Textile fiber atlas. Part VI.--Cotton and minor seed hairs. Rayon Textile Monthly 21(7): 409-412. July 1940. (Published at 303 Fifth Ave., New York, N. Y.) 304.8 R21  
References, p. 412.  
The structure of cotton fibers is described and illustrated.
2464. Wiegnerink, James G. The moisture relations of textile fibres at elevated temperatures. Textile Res. 10(9): 357-371. July 1940. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293  
"The moisture contents of ten kinds of textile fibres in the form of specially prepared yarns were determined when the fibres were in equilibrium with air for a series of relative humidities and temperatures. Data were obtained for both 'desorption' and 'adsorption,' the yarns being brought to equilibrium from a wet condition and a dry condition, respectively. The fibres studied were raw cotton, 'purified' cotton, mercerized cotton, clothing wool, carpet wool, viscose rayon, cuorammonium rayon, raw silk, degummed silk and cellulose acetate. The temperatures ranged from 96° F. to 302° F. and the relative humidities ranged from 5% to 90% for temperatures below 212° F. and up to the maximum obtainable at atmospheric pressure above 212° F."  
Also in U. S. Natl. Bur. Standards Jour. Res. 24(6): 645-664. June 1940.
2465. Yoshida, Z. Zur schnellherstellung brauchbarer baumwollquerschnitte. Melliand Textilberichte 20(10): 696-697. Oct. 1939. (Published in Heidelberg, Germany) 304.8 T312  
Rapid preparation of cross-sections of cotton fibers.  
"The author gives a detailed description of a procedure for cross-sectioning which is applicable to cotton and other fibers of small diameter. Previous rapid methods have been successful only with fibers of relatively large diameter, such as the coarser rayons." - Rayon Textile Monthly 21(6): 85. June 1940.  
Also in Melliand Textilberichte (Eng. ed.) 21(2): 29. Apr. 1940. (not seen)

See also Items nos. 2317, 2490, 2544, 2545, 2549.

#### Technology of Manufacture

2466. Cotton-textile institute, inc. A cost outline for narrow sheeting mills. 40pp., processed. New York [1939]  
"The intention has been to display the essentials of a simple method of predetermining costs of different fabrics, and to demon-



strate, with concrete figures, a step-by-step development of normal production costs through each of the several mill processes from raw cotton to the woven fabric."

2467. [Dronsfield bros., ltd.] The maintenance of the card clothing wire-angle. Card wire plane and wire angle gauges. Textile Weekly 25(641): 697-698. June 14, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
The instruments are described.
2468. Mills, William. Problems in waste. Taking care is the solution of spinning department waste. Amer. Wool and Cotton Rptr. 54(26): 42. June 27, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88  
"Reprinted from the April 1940 issue of 'Pequot Shield'".
2469. Oeser, W., Siefers, E., and Tafazzoli, A. Baldus-Pross spinning process: examination. Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(10): 235. May 30, 1940. (Published at Shirley Institute, Didsbury, England)  
From Melliand Textilberichte, English ed., 21: 30-33. 1940.  
"Attempts to shorten spinning processes are discussed and an account is given of a study of the Baldus-Pross process... The conclusion is drawn that the Baldus-Pross process represents an improvement in spinning technique. Manufacturers' opinions of the process differ greatly, but it is generally held that the method may be quite useful for low and medium counts up to 20's. - C."
2470. Schmitt, A. High draft spinning systems for the flyer frame. Melliand Textilberichte (Eng. ed.) 21(1): 2-3. Jan. 1940. (Published in Heidelberg, Germany) Bur. Stand.  
"Practical hints are given on spinning with only one speed frame and the respective merits of some of the high-draft systems are discussed. Spinning schedules are tabulated for 24's and 36's yarn. For 24's, second-head draw-frame sliver is given a draft of 9.3, followed by a draft of 17.1 at the ring frame. For 36's, three heads of drawing are recommended. It is essential that the drawframe sliver shall not deviate by more than 2.5 per cent. per 6 or 7 yards or the flyer slubbing by more than 3.5 per cent. in 21, 42 or 84-yard lengths. - C." - Textile Inst. Jour. 31(5): A239. May 1940.
2471. Victor ring traveler co. Progressive layout for spinning fine combed yarns from Pima cotton. The Traveler, no. 87, pp. 8-11. Apr. 1939. (Published by the Victor Ring Traveler Co., 20 Matherson St., Providence, R. I.)  
"Various problems and improvements in carding, drawing, and speed frame processes are discussed, with special reference to the use of high drafts. Details are given of improved spinning plans." - Empire Cotton Growing Rev. 17(1): 77. June 1940.

See also Item no. 2341.

Technology of Consumption

2472. Appropriations by cotton states for research urged. Cotton research congress asks \$250,000 fund by Texas and similar grants by other states to discover new uses. Daily News Rec. no. 154, pp. 1, 11. July 1, 1940. (Published at 8 East 13th St., New York, N. Y.) 236.8 N48  
Resolution adopted by the Cotton Research Congress, Waco, Texas, June 27-29, 1940, is noted.  
Also noted in Cotton Trade Jour. 20(27): 1, 5. July 6, 1940.
2473. Cheatham, R. J. Domestic utilization of cotton in relation to economic conditions in the South. U. S. Dept. Agr. Bur. Agr. Chem. and Engin. ACE-48, 7pp., processed. Washington, D. C., 1940.  
Address before the Southern Agricultural Workers Association, Birmingham, Alabama, Feb. 7, 1940.  
Plans for the work of the Cotton Processing Division of the Southern Regional Research Laboratory are outlined.
2474. Cotton writing paper. Sci. Amer. 163(2): 90. Aug. 1940. (Published at 24 West 40th St., New York, N. Y.) 470 Sci25  
Development by the U. S. Department of Agriculture of a process for making a high quality of writing paper directly from cotton is noted.
2475. Department of agriculture approves cotton for insulation. Bedding Mfr. 38(6): 36. July 1940. (Published by the Better Bedding Alliance of America, 608 South Dearborn St., Chicago, Ill.) 309.8 B39
2476. Harvard professor sees light, urges cotton for summer. Cotton Trade Jour. 20(28): 5. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Cotton clothing for men is recommended.
2477. House dress problem attacked by North Carolina club women. Garments especially designed for home wear to be made of cotton. Cotton Trade Jour. 20(30): 1, 7. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
2478. How, Jack. Cotton in the frozen north. An interesting story of the unique manner by which the Indians of the Canadian north woods make use of American cotton. Acco Press 18(6): 9. June 1940. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2  
Use of cotton yarn from tractor filter elements for knitting socks is noted.
2479. Mattress program progresses. Texas A. & M. Col. Ext. Serv. Extensioner 26(8): 9. June 1940. (Published at College Station, Tex.)  
"Cotton and ticking to make 73,770 mattresses had been ordered



from the Federal Surplus Commodities Corporation for use by low income farm families in Texas prior to May 27."

2480. More cotton to be used next year in paper factories. Outlet for 100,000 bales of inferior grade and staple made available. Cotton Trade Jour. 20(30): 1. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

2481. Roads with a cotton fabric basis. Nature 145(3679): 699-700. May 4, 1940. (Published by Macmillan & Co., Ltd., St. Martin's St., London, W. C. 2, England) 472 N21

"In the construction of the new 'cotton roads' in America, cotton fabric is laid on a surface treated with bituminous material which is also applied to the fabric and completely covered with crushed mineral aggregate. The crushed cover material is rolled in and a lighter application of bituminous material is laid down and covered with a layer of chips which are rolled in with a heavy roller. The best results have been obtained with cloth of comparatively open weave. The breaking strength varies between 25 and 45 lb. (grab method) according to grade. The most practical fabrics cost between 450 and 750 dollars a mile for a road 18 ft. wide... The South Carolina Highway Department has used cotton fabric on bridge surfaces also with a marked degree of improvement in maintaining a satisfactory bituminous surface. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(10): 238. May 30, 1940.

2482. [Schoch, E. P., and Williams, Simon.] Blanket cottons to compete with Asiatics is aim. Research chemists see way to giving needed harshness to U. S. growths. Cotton Trade Jour. 20(27): 4. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Extracts from an address entitled, "New and Expanded Uses for Cotton Lint Through Chemistry," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.

2483. Sleeping on surplus cotton. A new federal surplus commodities program channels part of the cotton surplus into mattresses to make sleeping a little more comfortable for some low-income families. Consumers' Guide 6(15): 3-5. May 1, 1940. (Published by U. S. Department of Agriculture, Washington, D. C.) 1.94 Ad422C

The home mattress-making program of the U. S. Department of Agriculture is described.

2484. Texas. Agricultural and mechanical college. Extension service. The cotton mattress demonstration program in Texas. Tex. Agr. Col. Ext. [Bul.] B-119, 16pp. College Station, 1940.

"Compiled from a memorandum from Mildred Horton and Jack Shelton, vice directors and state agents, to county agricultural and home demonstration agents, and from directions issued by the Agricultural Adjustment Administration and the Federal

Cooperative Extension Service."

The operation in Texas of the Cotton Mattress Project, sponsored by the Agricultural Adjustment Administration of the U. S. Department of Agriculture is explained.

2485. U. S. Dept. of agriculture. Extension service. Make--or buy a mattress. Turn surplus cotton into better living. [43pp. [Washington, U. S. Govt. print. off., 1940] Illustrations show materials necessary for making a mattress.
2486. [U. S. Dept. of agriculture. Surplus marketing administration] Continue cotton bagging program to June 30, 1941. Cotton Trade Jour. 20(30): 1. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
The program is designed to encourage the use of cotton as a bale covering material.
2487. Utilization of textile wastes. Increased demands and needs for by-products. Textile Weekly 26(644): 13. July 5, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
2488. Wallace daughter to aid Louisiana drive for cotton. Pelican state concentrating on making cotton attire more fashionable. Cotton Trade Jour. 20(28): 7. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
A brief report on the Louisiana Cotton-Use Campaign.
2489. Water repellent widens use for cotton, report. "Zelan," put out by du Pont, said to open up new fields for cotton fiber. Cotton Trade Jour. 20(28): 2. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Uses of cloth treated with "Zelan" are given.
2490. Wharton, Elna H. Quality in cotton fabrics determined by research. Forecast for Home Econ. 56(4): 186-187, 224-225, 226. Apr. 1940. (Published by the Forecast Publishing Co., 6 East 39th St., New York, N. Y.) 321.8 F76  
The projects of the Bureau of Home Economics for cotton utilization are discussed.

See also Items nos. 2322, 2327, 2332, 2357, 2443, 2533, 2534, 2550.

#### COTTONSEED AND COTTONSEED PRODUCTS

2491. [Alabama-Florida cottonseed products association] J. H. Owens new president of Alabama-Florida crushers; meeting featured by several important addresses. Cotton and Cotton Oil Press 41(14): 18. July 6, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
Report of annual meeting held in Pensacola, July 1-2, 1940.



2492. Bertino de Moraes Carvalho, Joaquim. Os oleos vegetais no economia mundial. Relatório sobre a viagem de estudos à Trinidad e aos Estados Unidos da América, apresentado ao sr. ministro Fernando Costa. 302pp. Rio de Janeiro, Brasil, Oficinas gráficas do Serviço de publicidade agrícola, 1939.. 307 B46  
Vegetable oils in world economy. Report of a study tour of Trinidad and the United States of America, presented to Senor Minister Fernando Costa.  
Includes cottonseed oil.
2493. [Bowld, W. F.] 1914-18 war impetus to linters development recounted at Waco. New uses were found following cessation of war-powder consumption. Cotton Trade Jour. 20(27): 3. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Extracts from address before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.
2494. Cullison, A. E. Cottonseed cake fairly satisfactory when used as principal concentrate in ration for finishing beef calves. Miss. Farm Res. 3(7): 7, 8. July 1940. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)
2495. Foreign cottonseed meal piling up at Atlantic ports; price slumps \$5. Jour. Com. [N. Y.] 184(14268): 1, 3. June 27, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82  
Cottonseed cake and meal from South America, formerly sold to Holland and Belgium, has been sent to the United States because of the war.
2496. 4 vitamins in waste of cotton seed. New Agr. 22(8): 5. May 1940. (Published at 225 California St., San Francisco, Calif.) 66.8 Su32  
"Heidelberg.--Discovery of a new source of valuable food-stuff, containing vitamins A, B, C and E, is claimed by Casper Schmitt, chemist here. The source is cotton seed waste, after the oil has been extracted."
2497. Margarine taxes penalize small stores, is view. Analysis of situation in Pennsylvania shows low-volume stores hurt. Cotton Trade Jour. 20(30): 7. July 27, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
2498. [Markley, K. S., and Lynch, D. F. J.] Crushers awakened from false sense of security, view. Stimulus of competition and shrinking markets called driving force. Cotton Trade Jour. 20(27): 6. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Extracts from an address, entitled, "The Technology of the Cottonseed Crushing Industry," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.

2499. [Meloney, John F.] Cottonseed oil industry story told by Meloney. National cottonseed products association economist looks at future. Cotton Trade Jour. 20(27): 1, 4. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
 Extracts from an address entitled, "Cottonseed Oil a Typical American Industry," delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.

2500. National oil mill superintendents' association. Proceedings of the forty-seventh annual convention...San Antonio, Texas, May 29, 30, 31, 1940. Oil Mill Gazetteer 45(1): 7-28. July 1940. (Published in Wharton, Tex.) 307.8 O153

The following papers are included: The proper sampling of cotton seed, by G. W. Meloy, pp. 10-13; Is it economical to produce crude cottonseed oil with a low refinery loss? by C. W. Hoover, pp. 13-14; The cotton seed industry and the Southern Regional Research Laboratory, by Edward A. Gastrock, pp. 15-21; What do you gain in cents per ton of seed crushed by screening second-cut linters, to raise the cellulose content, and is it profitable to do so? by J. Binford Sloan, pp. 22-23; Economical results to be obtained in the press room by the use of controlling instruments, by A. G. Koenig, pp. 25-26; The mixed feed plant in connection with the oil mill, by H. S. Mauldin, p. 26; Producing marketable linters from West Texas cotton seed, by W. G. Davis, p. 26.

2501. Prices of lard at Chicago and cottonseed oil at New York, and spread between these prices, 1928-40. U. S. Dept. Agr. Bur. Agr. Econ. Fats and Oils Sit. no. 41, p. 1. July 1940. (Published in Washington, D. C.)

A chart with explanatory notes.

2502. Public relations in the oil mill industry. Cotton and Cotton Oil Press 41(14): 9. July 6, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

The naming of a public relations committee, by the Board of Directors of the National Cottonseed Products Association, is noted.

2503. Rayon bogeymen back of powder plants, report. Nine thousand bales of linters a day to be consumed at Memphis, belief. Cotton Trade Jour. 20(29): 1, 4. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

The "Tennessee Powder Co., operated by E. I. du Pont de Nemours & Co., to manufacture smokeless powder for Great Britain, will use about 9,000 bales of linters a day when the factory gets in full operation."

2504. Roddy, Roy. Shortening for the Southwest. Tex. Weekly 16(28): 6-7. July 13, 1940. (Published at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31

The process of refining cottonseed oil is described briefly.



2505. [Texas cottonseed crushers association] Crushers convention successful. Cotton Ginners' Jour. 11(10): 19. July 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824  
Brief report of annual convention, held in San Antonio, June 10 and 11, 1940.
2506. Truitt, Paul T. Interstate trade barriers and the cotton industry. U. S. Bur. Foreign and Dom. Com., Dom. Com. 25(18): 356-357. June 30, 1940. (Published in Washington, D. C.)  
Extracts from an address before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.  
"The facts are that cottonseed oil as a margarine ingredient is taxed out of the markets in 14 states at an estimated annual loss of 29 million pounds of oil."
2507. [Ward, A. L.] Cottonseed feed value discovered by cattle, view. Camels and buffalos, Ghengis Khan and Alexander belong in story. Cotton Trade Jour. 20(27): 3. July 6, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214  
Extracts from an address entitled, "The Development of Uses of Cottonseed Feed Products" delivered before the Cotton Research Congress, Waco, Texas, June 27-29, 1940.
- See also Items nos. 2251, 2253, 2258, 2262, 2264, 2307, 2405, 2459, 2508, 2511, 2514, 2518, 2531, 2532, 2533, 2553.

### LEGISLATION, REGULATION, AND ADJUDICATION

#### Legislation

2508. Bercaw, Louise O., comp. State trade barriers: selected references. U. S. Dept. Agr. Bur. Agr. Econ. Econ. Library List no. 1, rev., 60pp., processed. Washington, 1940. 1.9 Ec73E  
For items relating to cotton, cottonseed and oleomargarine consult the index.
2509. British India. Reduced rates of duty on certain cotton fabrics of British manufacture. Indian Trade Jour. 137(1766): 215. Apr. 25, 1940. (Published by the Department of Commercial Intelligence and Statistics, 1, Council House St., Calcutta, India) 286.8 In24
2510. Cox, A. B. Cotton situation. Tex. Business Rev. 14(4): 7-8. May 28, 1940. (Published by Bureau of Business Research, University of Texas, Austin, Tex.) 280.8 T312  
The author discusses the world cotton situation in 1940 and suggests points to be considered in developing a cotton policy for the United States.  
Extracts in Textile Weekly 26(644): 10. July 5, 1940.

2511. Picketing the trade barriers. Tex. Weekly 16(27): 9. July 6, 1940. (Published at Liberty Bank Bldg., Dallas, Tex.)  
280.8 T31

The test of a resolution condemning trade barriers adopted by the Cotton Research Congress, held in Waco, Texas, June 27-29, 1940, is given.

2512. Smith-Doxey bill provides for fiber analyses, tests. Delta council sponsored legislation approved by agricultural leaders. Delta Council News 1(11): 1, 2. July 11, 1940. (Published by the Delta Council, Stoneville, Miss.)

The bill will enable the Department of Agriculture "to make analyses of fiber properties, spinning tests, and other tests of the quality of cotton samples" for cotton breeders and others.

2513. Tax repealed. Cotton Digest 12(39): 4. July 6, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Repeal of the tax on futures trading transactions on the New Orleans Cotton Exchange is noted.

2514. U. S. Congress. House. Committee on the census. Statistics on vegetable oils and allied products. Hearings before the Committee on the census, House of representatives, Seventy-sixth Congress, third session on H. R. 9174, a bill to amend an act entitled "An act authorizing the director of the census to collect and publish statistics of cottonseed and cottonseed products, and for other purposes"... April 9, 10, 11, 1940. 65pp. Washington, U. S. Govt. print. off., 1940. 307 Un3

See also Items nos. 2397, 2541.

### Regulation

2515. Adamson, A. M., and Baker, R. E. D. The work of the West Indian plant quarantine station from 1934 to 1939. Trop. Agr. [Trinidad] 17(1): 4-5. Jan. 1940. (Published by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad, West India)  
26 T754

"From this paper, submitted to the Imperial Mycological Conference, we extract the following reference to cotton seed: 'Much cotton seed is received and distributed for the Cotton Research Station in Trinidad, and a very satisfactory technique has been developed. Seed is treated on arrival with strong sulphuric acid and then heated to 60° C. for half an hour. It is then grown for one generation in a special quarantine house at the Cotton Station. If necessary it is also fumigated. Seed to be sent away is heated or fumigated, but is not treated with sulphuric acid. A considerable number of foreign insects, including bollworms have been intercepted. The Plant Quarantine Committee has devoted much time to legislation to prevent the spread of the cotton boll weevil (Anthonomus grandis) into the British West Indies. This weevil was introduced long ago



from the American mainland into Cuba, and in 1933 it was discovered in Haiti. It has become extremely destructive there, and its further spread into the Lesser Antilles might put an end to the commercial production of cotton in these islands!" - Empire Cotton Growing Rev. 17(1): 18. June 1940.

2516. Cotton mills in India increase output for Oriental and African markets. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(2): 42-43. July 15, 1940. (Published in Washington, D. C.) 1.9 St2F

"The system of import-license control instituted by the government of India about May 15, 1940, will affect all imports of raw cotton, wearing apparel, and haberdashery except those coming from places within the British Empire other than Hong Kong."

2517. Cotton trade control changes. New chairman of the Cotton board. Textile Weekly 25(643): 752. June 28, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127

"The Cotton Control and the Cotton Board are now separated."  
Also noted in Cotton Trade Jour. 20(28): 1, 5. July 13, 1940.

2518. Cottonseed rate adjustment. Traffic World 65(24): 1510-1511. June 15, 1940. (Published at 418 S. Market St., Chicago, Ill.) 288.8 T672

"The Commission has assigned for hearing June 13, at the Atlanta-Biltmore Hotel, Atlanta, Ga., before Examiner Esch, petitions filed May 30 and June 1 on behalf of the Merchants & Miners Transportation Co., and Eastern Steamship Lines, Inc., respectively in No. 17,000, rate structure investigation, part 8, cottonseed, its products, and related articles."

2519. Government payments and losses on cotton. Rayon Organon 11(8): 102-103, 106. July 1940. (Published by Textile Economics Bureau, Inc., 10 East 40th St., New York, N. Y.) 304.8 T3127

A table showing government payments on cotton under the various cotton programs from 1933 to 1940 is included.

2520. The Indo-Japanese cotton protocol. Indian Textile Jour. 50(596): 222. May 1940. (Published at Military Square, Fort, Bombay, India) 304.8 In2

"As the Indo-Japanese Cotton Protocol terminated on 31st March last and the negotiations for a new protocol have not yet concluded, the Government of India have had to make a tentative arrangement, whereby Japan has been allowed a maximum import quota of 400 million yards of cotton piecegoods as against the present 358 million yards."

2521. Japan. Exchange permits for raw cotton scarce. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 26, p. 563. June 29, 1940. (Published in Washington, D. C.) 157 C76D

"A survey made at the end of May showed that the total value

of raw cotton imported for which no exchange permits had been issued amounted to 105,293,000 yen; the value of cotton for which approval had been granted for importation under the link system amounted to 86,043,000 yen; and the value of cotton for which approval has not yet been granted totaled 19,250,000 yen."

2522. Japanese babies get 6-yard cloth diaper allotment. Relaxation of restriction on domestic use of cotton follows public clamor. Cotton Trade Jour. 20(29): 5. July 20, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

2523. Louisiana farmers to get contested back AAA payments. Cotton Trade Jour. 20(28): 7. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

1938 and 1939 payments which were withheld because the land cultivated was owned by a federal agency will now be paid. 1940 payments, however, will be made only on privately owned land.

2524. [Murchison, C. T.] Murchison, calls textile learner rules "confusing." Tells hearing on minor revisions of final order that clarification would spur employment. Daily News Rec. no. 147, pp. 1-2. June 22, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

The order relates to the employment of learners in the textile industry and was issued by the Wage and Hour Division of the Department of labor.

2525. Require Iraq farmers to plant cotton, report. Cotton Trade Jour. 20(28): 3. July 13, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"The Ministry of Economics in Iraq is reported to be preparing to make cotton-growing compulsory for all farmers, according to information received by the Department of Commerce from the American Consulate General at Baghdad. Seed distribution for this year's planting, it is learned, is about twice as heavy as last year." - Entire item.

2526. U. S. Dept. of agriculture. Agricultural adjustment administration. Regulations pertaining to cotton marketing quotas for the 1940-1941 marketing year. U. S. Agr. Adjustment Admin. Cotton 407, 55pp. Washington, D. C., 1940. 1.4 C82F

2527. U. S. Dept. of agriculture. Commodity credit corporation. Part 210--1939-40 cotton loans. [U. S.] Natl. Arch. Fed. Register 5(147): 2684. July 30, 1940. (Published in Washington, D. C.) 169 F31

1939-40 Cotton Circular Letter No. 1.

The regulation relates to compression charges.



2528. U. S. Dept. of agriculture. Surplus marketing administration. Cotton stamp plan--revised regulations and conditions. Fed. Register 5(128): 2440-2441. July 2, 1940. (Published by National Archives, Washington, D. C.) 169 F31
2529. U. S. Dept. of agriculture. Surplus marketing administration. First amendment to cotton stamp plan, revised regulations and conditions. Fed. Register 5(145): 2659. July 26, 1940. (Published by National Archives, Washington, D. C.) 169 F31  
The amendment relates to certification of use.
2530. U. S. Dept. of agriculture. Surplus marketing administration. Food stamp plan and cotton stamp plan. Rules of procedure and practice. Fed. Register 5(133): 2521-2523. July 10, 1940. (Published by National Archives, Washington, D. C.) 169 F31
2531. U. S. President, 1933- (Roosevelt). Administration of section 6 of the act entitled, "An act to expedite the strengthening of the national defense" approved July 2, 1940... A proclamation. Fed. Register 5(130): 2467-2468. July 4, 1940. (Published by National Archives, Washington, D. C.) 169 F31  
On and after July 5, 1940, certain articles, including cotton linters, shall not be exported from the United States, without a license.
2532. U. S. President, 1933- (Roosevelt). Regulations governing the exportation of articles and materials designated in the President's proclamation of July 2, 1940, issued pursuant to the provisions of section 6 of the act of Congress approved July 2, 1940. Fed. Register 5(130): 2469-2472. July 4, 1940. (Published by National Archives, Washington, D. C.) 169 F31  
The form of application for license to export cotton linters and other commodities and materials is given.

See also Items nos. 2345, 2397.

#### MISCELLANEOUS--GENERAL

2533. Association of southern agricultural workers. 41st annual convention held in Birmingham, Ala., Feb. 7-8-9. Proceedings, abstracts of papers, and addresses. 229pp. 1940. 4 C82 41st 1940  
Partial contents: Review of some preliminary results of run-off experiments at the Southern Piedmont Experiment Station, by John R. Carreker, pp. 29-30; The mechanization of a southern cotton farm, by Wm. E. Meek, pp. 60-61; Three years of cotton gin extension work in North Carolina, by J. C. Ferguson, p. 64; Returns from the use of fertilizers on southern crops, by H. R. Smalley, pp. 65-66; The nitrogen, organic carbon and pH of some southeastern coastal plain soils as influenced by green-manure crops, by Rulon D. Lewis and James H. Hunter, pp. 68-69; Report of cotton variety standardization committee, February 7, 1940, pp. 70-71; History of the Cotton States Branch of the American

Association of Economic Entomologists, by Oliver I. Snapp, pp. 110-112; Calcium arsenate dusting of cotton and its influence on pH of cell sap and aphid populations, by E. W. Dunnam and J. C. Clark, pp. 112-113; A field test of times poisoning schedules for the protection of sea island cotton from the cotton boll weevil, by Paul M. Gilmer, p. 113; Boll weevil control tests with calcium arsenates containing different percentages of water-soluble arsenic pentoxide, by R. C. Gaines, p. 113; Boll weevil control tests with several insecticides, by M. T. Young, G. L. Garrison and R. C. Gaines, p. 113; A possible alternative method of measuring boll weevil injury to cotton, by Paul M. Gilmer, p. 114; Combination of insecticides for boll weevil and cotton leaf aphid control, by C. F. Rainwater and Floyd F. Bondy, p. 114; Progress report (1939) on mixtures of calcium arsenate and sulfur for control of the boll weevil at State College, Mississippi, by R. L. McGarr, p. 114; The effect of several insecticides used in boll weevil control tests upon aphid and mirid infestations, by R. C. Gaines, M. T. Young, and G. L. Smith, p. 115; Domestic utilization of cotton in relation to economic conditions in the South, by R. J. Cheatham, pp. 129-130; Cotton home-made mattresses, by Etna McGaugh, p. 140; The Agricultural Marketing Service and southern agriculture, by W. G. Meal, pp. 164-165; Coordinating the efforts of all governmental agencies working toward the improvement of cotton marketing, by John W. Wright, pp. 172-173; Coffee growers cut new cotton pattern, by Omer W. Herrmann, pp. 173-174; Coordination of cotton production and marketing, by H. W. Barre, pp. 174-175; Coordinating the efforts of all government agencies working towards the improvement of cotton marketing, by P. K. Norris, pp. 175-176; Coordinating a 4-H club cotton marketing project, by A. W. Jacob, pp. 176-178; Southern Division of the American Phytopathological Society [proceedings], p. 178-207; Extension work on diseases of cotton and other southern crops, by R. J. Haskell, pp. 178-181; Field tests of the resistance of cotton to phymatotrichum omnivorum, by G. W. Goldsmith and Elizabeth J. Moore, p. 186; Cotton seed dusting in relation to control of seedling infection of Rhizoctonia in the soil, by S. G. Lehman, p. 189; Results of four years of extension work on cotton seed treatment in North Carolina, by Luther Shaw, p. 194; Recent field observations on tomato and cotton root-knot nematodes, by C. D. Sherbakoff, p. 204.

2534. Cheatham, R. J. Research program on cotton utilization in the Southern regional research laboratory. Textile Bul. 58(8): 19-20, 38-39, 44-45. June 15, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.)  
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2535. Dantas, Garibaldi. Ciclos econômicos e civilização. Ouro Branco 5(12): 11-12, 14. Apr. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil)  
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A plea to cotton farmers to support the National Cotton Council of America's "nickel-a-bale" fund.
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The finance plan of the National Cotton Council is described. Also noted in Cotton Digest 12(41): 3. July 20, 1940.

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The research program on cotton of the Southern Regional Research Laboratory is discussed.
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